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United States Department of Agriculture

Soil Conservation Service

Sait Lake City



in Cooperation with Utah State Department of Natural Resources





#### RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

t of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published this report are based principally on measurement of the water equivalent of the mountain snowpack.

ecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic tors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on off. Early season forecasts are therefore subject to a greater change than those made on later dates.

snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in untain areas. A total of about ten samples are taken at each location. The average of these are reported as snow oth and water equivalent. These measurements are repeated in the same location near the same dates each year.

ow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow urses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water uivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous cord of snow water and other parameters at key locations.

tailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on servoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are so included. The report for Western United States presents a broad picture of water supply outlook conditions, cluding selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

low survey and soil moisture data for the period of record are published by the Soil Conservation Service by states nout every five years. Data for the current year is summarized in a West-wide basic data summary and published about tober 1 of each year.

#### PUBLISHED BY SOIL CONSERVATION SERVICE

he Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 n cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for estern United States and all state reports may be obtained from Soil Conservation Service, West Technical Service enter, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

opies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the ollowing states:

ADDDECC

STATE	ADURESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchroage Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

#### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Inventigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

# WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

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In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES

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Report prepared by Snow Survey Staff

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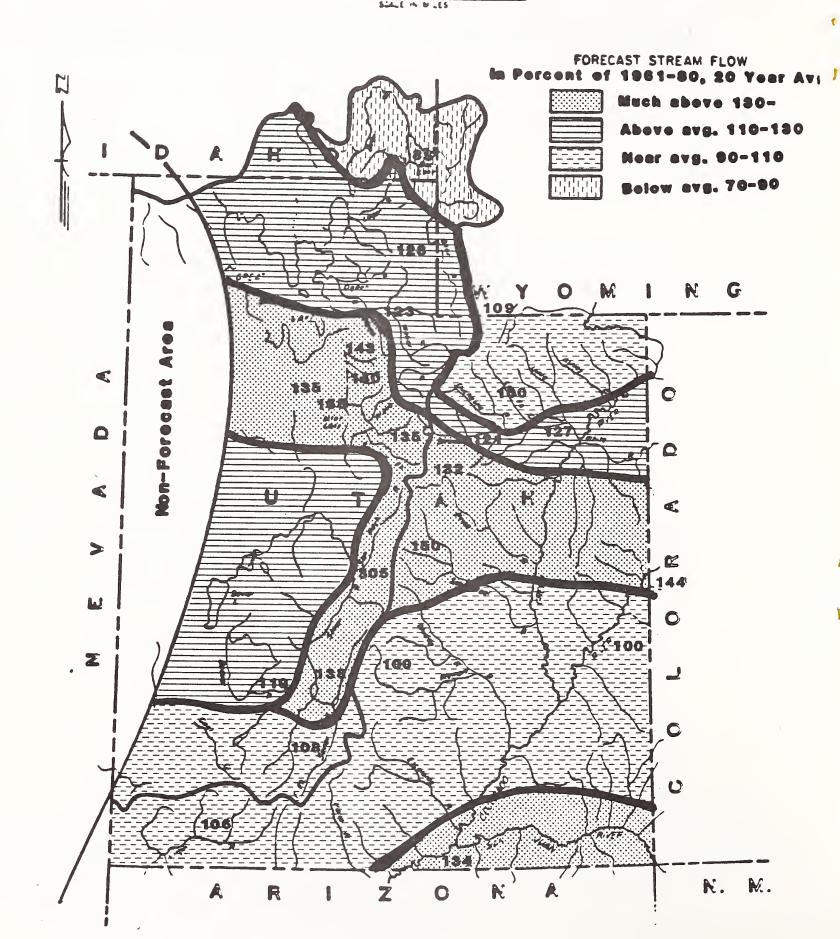
Soll Conservation Service 125 So. State, Fed. Bidg. P.O. Box 11350 Salt Lake City, Utah 84147

# PROSPECTIVE WATER SUPPLIES

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

March 1, 1985

Approximate Date



The President's 1986 budget request to Congress calls for termination of the Snow Survey and Water Supply Forecast activity within the U. S. Soil Conservation Service for fiscal policy reasons. If the President's budget request is enacted by Congress the Snow Survey Program will be eliminated by the end of fiscal year 1986. This action would conclude over 50 years of federally coordinated snow survey effort in the Western U. S..

#### As of March 1, 1985

#### SNOW COVER

Snow measurements about the 1st of March again show a drop compared to average and now range from 64% of the March 1 average on LaSal Mountains to 133% on the Enterprise-New Harmony area. Most snow measurements increased less than half the average increase in the Uinta's and southern Utah and some even showed a slight decrease in water content.

Other basin snow cover percentages are as follows: Bear 101%, Ogden 109%, Weber 106%, Jordan River-Salt Lake 115%, Utah Lake 100%, Duchesne River 105%, Price River 99%, San Rafael River 101%, Fremont River 98%, Escalante River 97%, Upper Sevier River 102%, Lower Sevier River 96%, Beaver River 105%, Virgin River 107%, and Blue Mountains 105% of the March 1 average for the 1961-1980 twenty year period.

#### PRECIPITATION

Precipitation at mountain stations was again below average for most areas of the state. A few stations on the east end of the Uintas and on Bear River were average to 30% above average but most stations measured only 30 to 80% of the February average.

#### SOIL MOISTURE

Watershed soils are wetter than average again this year except on the east end of the Uinta's and in the southeast corner of the state which are near average.

#### RESERVOIR STORAGE

Storage in 27 of Utah's key irrigation reservoirs is now 133% of the March 1, 20 year average and 89% of useable capacity.

The Great Salt Lake is now at 4209.15 feet. This is 2.45 feet higher than last year at this time and only 0.10 feet below last year's peak. The Lake is expected to peak at 4210.5 feet.

Utah Lake is now 2.72 feet above compromise and is expected to peak at 3.20 to 4.00 feet above compromise this year.

#### STREAMFLOW FORECASTS

Streamflow forecasts dropped again this month and now range from 80% of average on Thomas Fork of the Bear to 580% for the Vermillion Dam to Gunnison reach of the Lower Sevier. Carryover base flow is again holding Lower Sevier River forecasts much higher than they would normally be from snowmelt runoff.

Individual forecasts are as follows: Bear River near Utah-Wyo. line 118%, at Harer 85%, Logan River 114%, Ogden River 116%, Weber River 116% at Oakley, 123% at Gateway, Parley's Creek 143%, Provo near Hailstone 113%, Utah Lake Inflow 168%, Strawberry Inflow 135%, Duchesne at Duchesne 121%, at Tabiona 105%, at Randlett 128%, Lakefork 100%, Ashley Creek 112%, and Black's Fork 109% of the April-July average.

Price River is forecast 132% for Scofield Inflow and 158% at Heiner, Huntington Creek is forecast 139%, Cottonwood 150%, Ferron 127%, Muddy 119%, and Seven Mile and Mill Creeks 100% of average.

The Sevier River is forecast 108% at Hatch, 133% at Kingston, 305% at Gunnison, Clear Creek 116%, Salina Creek 124%, Chicken Creek 113%, and Chalk Creek 112% of the April-July average.

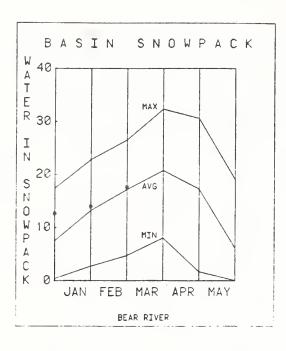
Beaver River is forecast 119% at Beaver and 145% for Minersville Inflow. Coal Creek is forecast 100%, Virgin near Hurricane 106% and Santa Clara 89% of average.

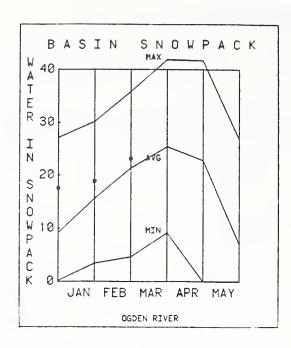
Water users are expected to have adequate water supplies this season and spring runoff peaks are expected to cause fewer problems than the last two seasons.

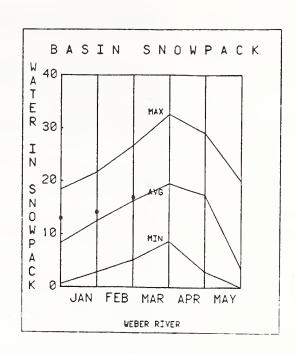
# RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

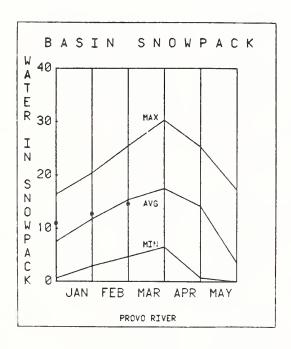
	occcovols.	Usable		Usable Storage	
Basin or Stream	RESERVOIR	Capacity	This Year	Last Year	Average
GREAT BASIN Bear River	Bear Lake Woodruff Narrows	1421.0 57.3	1061.2 57.8	1077.9 55.4	979.6
	Woodruff Creek	4.0	4.0	3.5	
Beaver River	Minersville (RkyFd)	26.0	23.8	22.5	12.9
<u>Little Bear</u>	Hyrum Porcupine	15.3 11.3	10.3 4.6	10.4 5.0	10.8 3.7 <sup>b</sup>
<u>Ogden</u>	Causey Pineview	6.9 110.1	1.8 51.4	1.4 21.3	2.3 <sup>b</sup> 48.7 <sup>b</sup>
Provo	Deer Creek	149.7	113.7	123.7	95.5
Settlement Creek	Settlement Creek Vernon Creek	1.2 0.6	0.0 0.0	0.6	0.7 <sup>b</sup> 0.5 <sup>b</sup>
<u>Sevier River</u>	Gunnison Otter Creek Piute Sevier Bridge	18.2 52.5 71.8 236.0	15.0 47.7 61.8 217.2	13.8 49.0 57.1 208.0	14.0 <sup>b</sup> 31.2 41.5 119.6
Spanish Fork	Panguitch Lake Strawberry	22.3 270.0	20.3 244.0	20.6 270.0	142.4
<u>Utah Lake</u>	Utah Lake	883.9	1166.6	1201.8	689.4
<u>Weber</u>	East Canyon Echo Lost Creek Rockport Willard Bay	48.1 73.9 20.0 60.9 193.3	26.6 43.1 13.2 31.7 147.8	20.0 24.8 4.4 27.7 121.7	35.6 <sup>b</sup> 49.5 13.4 <sup>b</sup> 30.2 144.7 <sup>b</sup>
COLORADO R. BASIN Ashley Creek Colorado	Steinaker Red Fleet Blue Mesa Lake Powell	33.3 26.0 829.5 25002.0	30.2 20.4 438.1 21348.0	26.0 18.1 375.0 21478.0	21.1 <sup>b</sup>
Green	Flaming Gorge	3749.0	3036.5	3151.0	
Lakefork Price River	Moon Lake Scofield	35.8 65.8	28.3 51.0	29.1 49.8	16.8 32.2
San Juan	Navajo Ken's Lake	1696.0 2.3	1385.2 0.6	1352.0	
San Rafael	Huntington North Joe's Valley Mill Site	3.9 54.6 16.7	4.4 49.3 11.0	2.8 49.1 13.5	3.0b 44.6b 4.0b
Strawberry Uintah	Starvation Soldier Creek Currant Creek Bottle Hollow	165.3 951.4 15.5 11.3	126.0 184.8 7.1 11.3	95.1 61.0 5.1 11.0	112.1 <sup>b</sup> 10.2 <sup>b</sup>

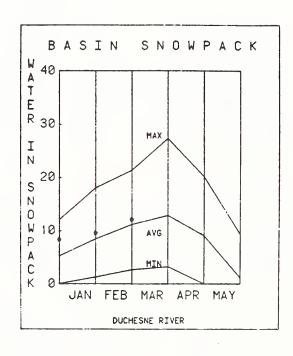
a - Partly estimated
b - Average of past record in average period - less than 20 years
+ - 1961-80 20 year average period

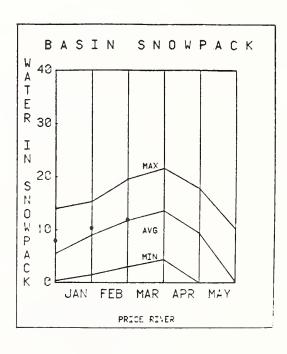


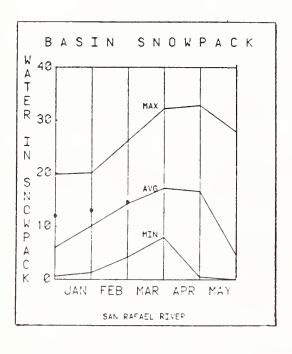


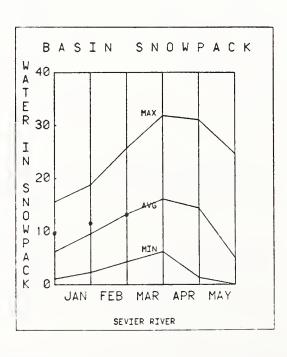


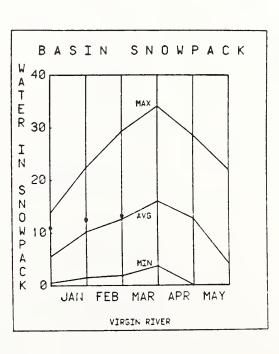


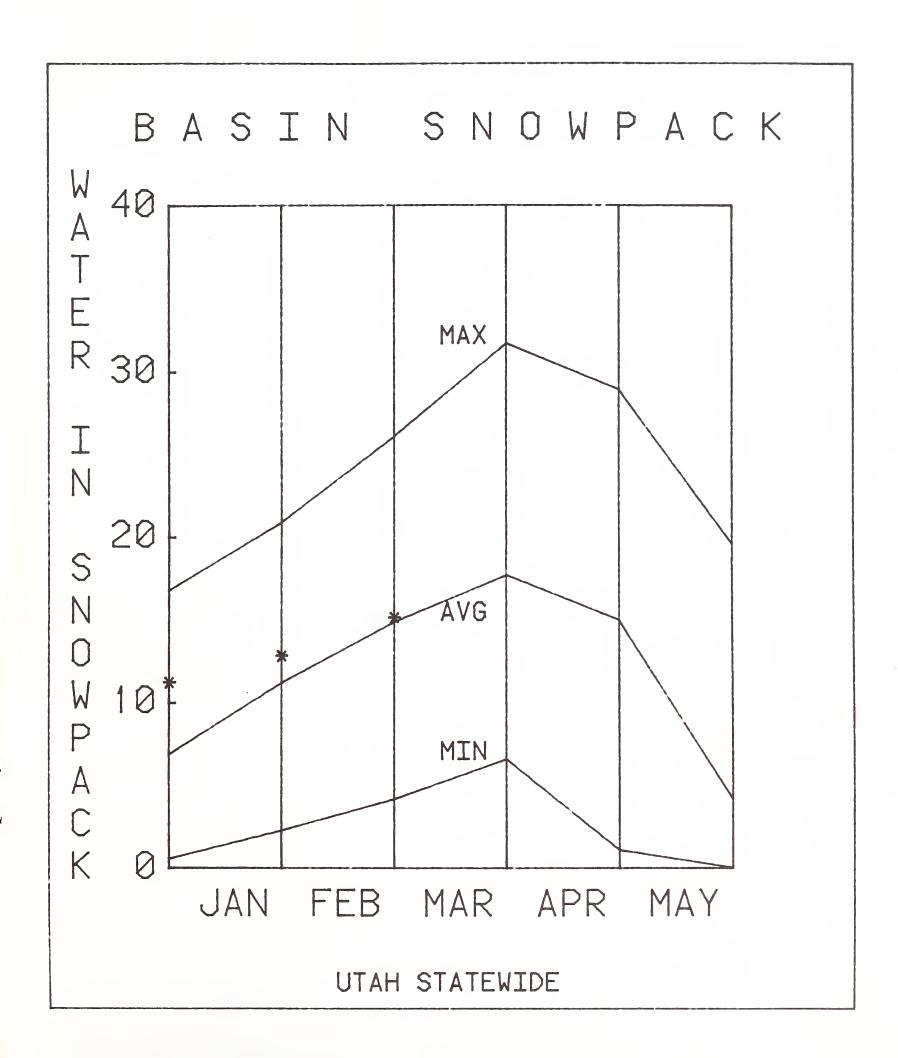








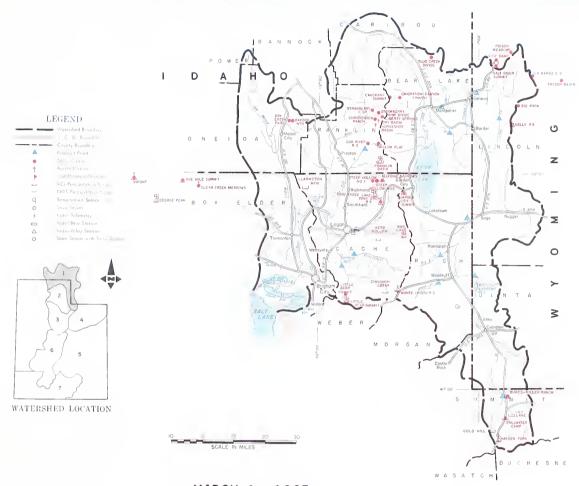






# BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

## THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER dropped 1 to 7 % of average during February and now ranges from 78% of the March 1 average on Raft River to 103% on the Lower Bear. Logan River is now 101% of average.

PRECIPITATION at mountain stations ranged from 55% of the February average at Klondike Narrows on the Logan to 128% at Willow Flat on Cub River.

SOIL MOISTURE is above average over most of the area.

RESERVOIR STORAGE is generally above average except in Hyrum Reservoir which is 500 acre feet below average.

STREAMFLOW FORECASTS dropped as much as 13% on Little Bear and Big Creek and now range from 80% of average on Thomas Fork to 147% on Big Creek.

Other forecasts are as follows: Bear near Utah-Wyo. Line 118%, near Woodruff 128%, Woodruff Creek 109%, near Randolph 126%, Smith's Fork 84%, at Harer, Idaho 85%, Cub River 91%, Logan River 114% and Blacksmith Fork 120%.

Peak flows are expected to be near average this season and all water users should have an adequate water supply.

TREAMFLOW FORECASTS		THIS YEA	A	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARSI		
BASIN, STREAM and/or PORECAST POINT	Thousand Acro Foot	Percent of	PORECAST	THOUSAND Lest Year 3	ACRE FEET  Average	RIVER BASIN and or SUB-MATERSHED	Humber of Courses Averaged	THIS YEAR AS A PERCENT OF	
	Acre Feet	Average	PERIOD				0		
BEAR RIVER						BEAR RIVER	16	78	101
Bear nr UT-Wyo. State Line Bear nr Woodruff 1/	130 179		Apr-July Apr-July		110 139	UPPER BEAR RIVER	5	86	97
Woodruff Crk nr Woodruff, UT Big Creek nr Randolph, UT	18.8 7.8	109	Apr-July Apr-July		17.3	LOWER BEAR RIVER	11	75	103
Bear nr Randolph 1/ Thomas Fork nr ID-WY State Ln	139	126	Apr-July Apr-Sept		110	LOGAN RIVER -	7	78	101
Smith's Fork nr Border, WY Bear at Harer, Idaho 1/	100 264	84	Apr-Sept Apr-Sept	}	119 310	RAFT RIVER	4	60	78
Logan nr Logan 1/ Blacksmith Fork nr Hyrum	133		Apr-July Apr-July		116 51	1 - Observed flow corrected for	change	in storage an	d diversio
Little Bear nr Paradise Cub River nr Preston, ID	39 42	,	Apr-June Apr-July	li .	38 52	2 - Inflow record as computed t 3 - Provisional flows - Subject a - Partly estimated			lamation
						b - Average of all past record e - Maximum mean daily peak flo + - 1961-80 20 year Average Per	W	an 20 years	
						* - Forecast in cooperation wit		1 Weather S	rvice

RESERVOIR STORAGE (Thousand Acre Feet)

		Handle	<u></u>	SEARLE STORA	GE
BASIN OR STREAM	RESERVOIR	Cobación Asopte	This Year	Last Year	Average <sup>1</sup>
EAR RIVER	Bear Lake Woodruff Narrows	1421.0 55.8	1061.2 57.8	1077.9	979.6
ITTLE BEAR	Woodruff Creek Hyrum Porcupine	3.5 15.3 11.3	10.3	3.5 10.4 5.0	10.8

FORECAST POINT	PEAK FLOW (SECOND FEET)				
PORECAST PORT	Forecast Range	Average †			
Bear nr. UtWyo. Stateline Woodruff Creek nr Woodruff Big Creek nr Randolph Logan River nr Logan Little Bear nr Paradise	1450-2195 230-375 65-105 770-1355 390-712	1506 253 48b 980 519			

NOW	THIS YEAR			PAST RECORD SNOW			THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Depth	Water Content	Water Cont	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Dete	Snew Death	Water Content		ent (inches)
NAME	of Survey	(Inches)	(fnches)	Last Year	Average †	NAME	of Survey	(Inches)	(inches)	Lest Year	Average 1
Burts-Miller Ranch	2/26	20	4.0	4.7	4.7	Little Bear Lower	2/24	38	10.5	14.6	9.3
ub River R.S.	2/25	33	8.3	14.5	8.6	Little Bear Upper	2/24	47	13.7	18.0	11.0
Emigrant Summit	2/25	65	19.9	29.3	21.9	Monte Cristo	2/24	65	22.2	26.2	22.1
Franklin Basin	2/25	66	21.9	26.7	21.7	Salt River Summit	2/28	48	11.8	13.9	14.5
Garden City Summit	2/25	58	17.4	21.4	15.5	Stillwater Camp	2/26	38	8.7	9.9	8.9
Hayden Fork	2/26	48	13.3	15.9	13.4	Tony Grove R.S.	2/25	45	12.3	16.8	11.1
Klondike Narrows	2/25	57	18.1	22.9	17.5						
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united states department of agriculture soil conservation service

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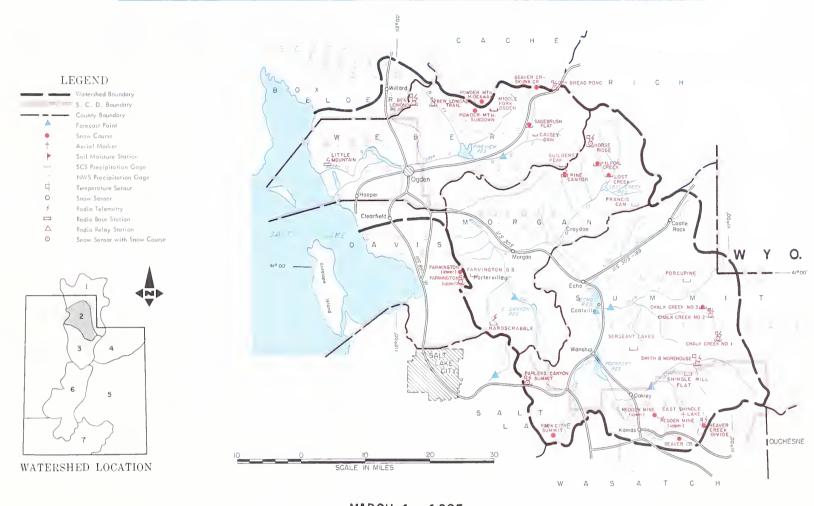


POSTAGE AND FEES PAID U. S. DEPARTMENT OF AGRICULTURE AGR-101



## WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

#### THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER dropped 12 and 9% respectively and is now 109% of the March 1 average on the Ogden and 106% on Weber Basin. Ogden River snow cover is 30% less than last year and Weber Basin 22% less than last year on March 1st.

PRECIPITATION at mountain stations ranged from 69% of the February average at Parley's Summit to 105% at Monte Cristo R.S. Most areas were 75 to 90% of average.

SOIL MOISTURE is well above average.

RESERVOIR STORAGE in most reservoirs has been drawn down to provide space for spring runoff and are now 97% of the March 1 average.

STREAMFLOW FORECASTS dropped as much as 7% due to below average increases to the basin snow pack and now range from 113% of the April-July average on Farmington Creek to 157% of the April-June average on East Canyon Creek. Other forecasts are as follows: S. Fork Ogden 116%, Pineview Inflow 117%, Weber near Oakley 116%, Rockport Inflow 118%, near Coalville 119%, Chalk Creek 118%, Lost Creek 141%, Hardscrabble 141%, Echo Inflow 123%, and Weber at Gateway 123% of the April-June average. Peak flows are expected to be in the near average range this season and all water users are expected to have adequate water supplies assuming near average precipitation for the remainder of the snow melt season.

STREAMFLOW FORECASTS		THIS YEAR	1	PAST	RECORD	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARS		
		CAST	<b>₽ORECAST</b>	THOUSAND A		RIVER BASIN and or SUB-MATERSHED	Humber of Courtes	THIS YEAR AS	A PERCENT OF
BASIN, STREAM #4/ # FORECAST POINT	Thousand Acre Foor	Percent of Average	PERIOD	L 001 Year 3	Average †		Averaged	Loss Year	Average of
WEBER-OGDEN RIVERS						OGDEN RIVER	6	70	109
Weber nr Oakley	118	116	Apr-June	156	102	WEBER RIVER	14	78	106
Rockport Reservoir Inflow 1/	131	118	Apr-June	191	111		ļ		
Chalk Creek at Coalville	43	118	Apr-June	78	36				
Weber nr Coalville 1/	141	119	Apr-June		119				
Lost Creek nr Croydon, UT 1/	22	141	Apr-June	37	15.6				
East Canyon Creek nr Morgan 1/	40	157	Apr-June	63	25			ļ	
Hardscrabble Crk nr PorterviTl	26	141	Apr-June		18.4				
S. Fork Ogden nr Huntsvillel/	66	116	Apr-June	111	57	1 - Observed flow corrected for	change i	n storage ar	d diversion
Pineview Reservoir Inflow 17	134	117	Apr-June	309	115	2 - Inflow record as computed by	/ U. S. B	ureau of Rec	lamation
Echo Reservoir Inflow 2/	178	123	Apr-June		145	3 - Provisional flows - Subject	to Corre	ction	
Weber at Gateway 1/	371	123	Apr-June	650	300	a - Partly estimated			
						b - Average of all past record .	less th	an 20 years	
JORDAN RIVER & SALT LAKE						e - Maximum mean daily peak flow	ł.		
Farmington Crk nr Farmington	9.3	113	Apr-July		8.2	+ - 1961-80 20 year Average Per	od	ł	
						* - Forecast in cooperation with	Nationa	Neather Se	rvice

RESERVOIR STORAGE (Thousand Acro Foot)

		Heatle	US	EABLE STORA	AGE		
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Lost Year	Average*		
OGDEN	Causey	6.9	1.8	1.4	2.3b		
	Pineview	110.1	51.4	21.3	48.7 <sup>t</sup>		
WEBER	East Canyon	48.1	26.6	20.0	35.6 <sup>b</sup>		
	Echo	73.9	43.1	24.8	49.5		
	Lost Creek	20.0	13.2	4.4	13.4t		
	Rockport	60.9	31.7	27.7	30.2		
	Willard Bay	193.3	147.8	121.7	144.7t		

FORECAST POINT	PEAK FLOR (SECOND FEET)					
PORECAST POINT	Forecest Range	Average †				
South Fork Ogden nr Huntsville Chalk Creek nr Coalville Weber nr Oakley	640-1130 445-786 1370-2060	763 510 1540				

ANAW							•			1	
SNOW		THIS YEAR		PAST R	ECORD	SNOW		THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE	Date	Snew Depth	Water Content	Water Conti	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Dava	Snow Design	Weser Content	Water Cons	ant (inchee)
NAME	of Survey	(Inchee)	(Inches)	Lest Year	Average †	NAME	Date of Survey	(Inclus)	(Inches)	Lost Year	Average T
Beaver Creek R.S.	2/26	31	7.6	10.5	7.8	Horse Ridge	2/24	57	18.3	25.8	18.9
Beaver Creek-Skunk Creek	2/24	38	12.2	16.3	11.2	Lost Creek Reservoir	2/24	24	5.9	8.9	5.5
Ben Lomond Peak	2/24	96	32.4	54.5	31.4	Monte Cristo	2/24	65	22.2	26.2	22.1
Ben Lomond Trail	2/24	67	21.7	28.8	15.8	Parleys Canyon Summit	2/27	55	16.8	23.1	15.9
Chalk Creek #1	2/26	65	19.1	23.1	18.1	Sagebrush Flat	2/24	24	5.6	9.2	4.8
Chalk Creek #2	2/26	48	12.4	14.5	12.2	Smith & Morehouse	2/26	42	11.9	14.4	11.4
Chalk Creek #3	2/26	30	7.5	8.0	6.7	Trial Lake	2/26	64	19.4	22.3	20.8
Dry Bread Pond	2/24	54	16.3	22.1	16.2				i		
Farmington Upper	2/24	81	28.4	40.1	25.6			- 1			
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UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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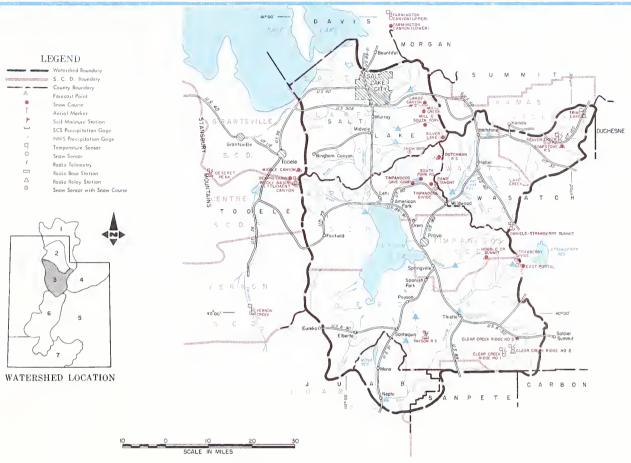


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UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985
THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER dropped as much as 24% of average during February and now ranges from 94% of the March 1 average on Provo River to 120% for Tooele Valley-Vernon Creek. Jordan River-Salt Lake is now 110% and Utah Lake drainages 100% of the March 1 average. These areas range 12 to 35% less than last year at this time.

PRECIPITATION at mountain stations ranged from 55% of the February average at Hobble Creek Summit to 165% at Clear Creek #2, Cllear Creek #2 was the only site above average in this area.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is still above average but less than last year at this time. Strawberry is still draining into Soldier Creek. The two levels should equalize by April 1st. Utah Lake is 2.72 feet over compromise and Great Salt Lake is now 4,209.15 feet above sea level or 2.45 feet higher than last year on March 1.

STREAMFLOW FORECASTS now range from, 113% of the April-July average for Provo near Hailstone to 168% for Utah Lake Inflow. Most forecasts dropped 2 to 18% and are now as follows: Payson Creek 119%, Spanish Fork 142%, Hobble Creek 150%, Provo below Deer Creek Dam 125% and Americal Fork 122%. Streams along the Salt Lake Front are forecast from 120 to 143% of average and those in Tooele Valley 133 to 138% of average. Peak flows are expected to be in the near average range and are expected to cause damage only around Utah Lake and Great Salt Lake is normal temperature and precipitation occurs during the snow melt seaton. All water users are expected to have adequate water supplies this season.

COSC - LO-SM 6001 SAYET HEROW FROE 272 AGEL

TREAMFLOW FORECASTS		THIS YEAR	,		ECORO	SUMMARY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS TEARS		
		CAST *	FORECAST	THOUSAND ACRE FEET		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR A	S A PERCENT OF
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	PERIOD	Less Year 3	Average +		Averaged	Losi Year	A-wage +
PROVO RIVER AND UTAH LAKE						UTAH LAKE	9	79	100
Provo nr Hailstone 1/	120	113	Apr-July	176	106			1	
Provo below Oeer Creek Oaml/	150	125	Apr-July		118	PROVO RIVER	5	88	94
American Fork nr American Fk	38	122	Apr-July		31				
Hobble Creek nr Springville	26	150	Apr-July		18.7	JOROAN RIVER & SALT LAKE	5	81	110
Strawberry Reservoir Inflowl	72	135	Apr-July	87	53		1	1	
Spanish Fork at Thistle	57	142	Apr-July		40	TOOELE VALLEY & VERNON CREEK	2	65	120
Payson Creek nr Payson	7.4	119	Apr-July	1	6.2				
Utah Lake Inflow	400		Apr-July		238				
JORDAN RIVER & SALT LAKE			,			†	1		
Little Cottonwood Crk nr SLC	46	120	Apr-July		38		1	(	1
Big Cottonwood nr SLC	52	140	Apr-July		37	1			}
Parley's Creek nr SLC	21	143	Apr-July	38	14.8	1 - Observed flow corrected for	change	in storage a	nhd diversio
Mill Creek nr SLC	8.3	141	Apr-July	14.5	5.8	3 - Provisional flows - subject	to corr	ection	
Emigration Creek nr SLC	5.1	138	Apr-July	11.7	3.7	a - Partly estimated			
City Creek nr SLC	9.4	120	Apr-July	18.0	7.7	b - Average of past record - le		40 years	
TOOELE VALLEY				1		+ - 1961-80 20 year average per	iod		
Settlement Crk nr Tooele	3.1	135	Apr-July	[	2.3	e - Maximum mean daily peak flo	)W		
S. Willow Crk nr Grantsville	4.0	133	Apr-July	6.6	3.0	* - Forecast in cooperation wit	h Nation	al Weather 9	Service
Vernon Creek nr Vernon	1.1	138	Apr-June	3.1	1.2				

RESERVOIR STORAGE (Thousand Acre Foot)

	Manhin	USEABLE STORAGE				
RESERVOIR	Capacity	This Year	Last Year	Average®		
Strawberry	270.0	244.0	270.0	142.4		
Utah Lake Settlement Creek Vernon Creek	883.9 1.2 0.6	1166.6 0.0 0.0	1201.8	689.4 0.7 0.5		
Oeer Creek	149.7	113.7	123.7	95.5		
	Utah Lake Settlement Creek Vernon Creek	Strawberry 270.0  Utah Lake 883.9 Settlement Creek 1.2 Vernon Creek 0.6	Strawberry   270.0   244.0	Strawberry   270.0   244.0   270.0		

	PEAK FLOW (SEC	OND FEET)
PORECAST POINT	Ferecest Range	Avorage
Big Cottonwood nr Salt Lake City	400-550	442
Little Cottonwood nr Salt Lake City	350-550	384
Provo Near Hailstone	1500-2000	2128
Spanish Fork nr Thistle	500-700	451b
American Fork nr American Fork	330-470	329
Mill Creek nr Salt Lake City	55-75	59
Parley's Creek nr Salt Lake City	150-220	153
City Creek nr Salt Lake City	65-95	75
Emigration	40-65	

10W		THIS YEAR		PAST I	RECORD	SNOW		THIS YEAR		PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE	Date		Weser Content	Weter Cont	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Dends	Water Content	Water Centi	ent (inches)
NAME	of Survey	(Inches)	(Inches)	Last Year	Average †	NAME	of Survey	(Inches)	(inches)	Lest Year	Average 1
Bevans Cabin Clear Creek #1 Clear Creek #2 Clear Creek #3 Oaniels-Strawberry Summit Deseret Peak Hobble Creek Summit Lambs Canyon #2 Middle Canyon Mill Creek	2/27 2/25 2/25 2/25 2/25 2/25 2/27 2/27	36 54 45 30 49 NO 48 50 45	9.8 16.8 12.6 8.0 15.5 )T MEASU 13.4 16.9 13.0 16.8	21.1 15.6 10.5 15.8 REO 19.0 20.0	8.3 16.3 12.2 7.5 12.9 12.8 13.8 11.9 16.1a	Mill O South Fork Parley's Canyon Summit Payson R.S. Rocky Basin-Settlement Silver Lake Brighton Soapstone R.S. Timpanogos Oivide Trial Lake Vernon Creek	3/1 2/27 2/22 2/27 2/26 2/26 3/1 2/26 3/1	55 55 54 69 69 38 61 <sup>a</sup> 64 43 <sup>a</sup>	18.2 16.8 17.0 23.4 22.6 10.2 19.6a 19.4 11.7a	22.9 23.1 24.6 39.0 25.0 13.1 21.3 22.3 14.9 <sup>a</sup>	17.0 15.9 16.4 20.4 20.4 11.3 22.1 20.8 8.9 <sup>3</sup>

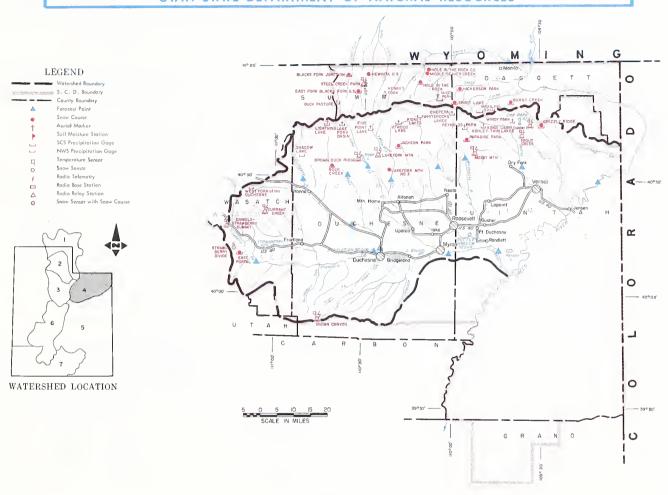
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# UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

#### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER dropped again this month on all basins except Strawberry River and Sheep Creek and now ranges from 79% of the March 1 average on Sheep Creek (+4%) to 114% on Strawberry River (+3%). Black's Fork is 95% (-7%), Ashley Creek 91% (-11%), Uinta-Whiterocks 95% (-30%), and Lakefork-Yellowstone Creeks 96% (-25%) of the March 1 average for the 1961-1980 20 year period.

PRECIPITATION at mountain stations ranged from 23% of the February average at Black's Fork Junction to 133% at Hickerson Park.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS dropped 3 to 32% and now range from 100% of the April-July average on Lakefork and Yellowstone Creeks to 128% for Duchesne at Randlett. Other forecasts are as follows: Duchesne at Tabiona 105%, at Duchesne 106%, at Myton 127%, and West Fork Duchesne 104% of average. Currant Creek 125%, Strawberry 121%, Rock Creek 106%, Uinta and Whiterocks 110%, Ashley Creek 112%, Henry's Fork 115% and Black's Fork 109% of the April-July average. Peak flows are expected to be in the near average range during the snow melt period assuming average temperature and precipitation during the remainder of the spring and early summer runoff period. All water users are expected to have adequate water supplies this season.

STREAMFLOW FORECASTS		THIS YEAR	•	PAST	RECORD	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)				
		CAST *	FORECAST	THOUSAND A	,	RIVER BASIN and or SUB-WATERSHED	humber of Courses	THIS YEAR AS	A PERCENT OF	
BASIN, STREAM and/or FORECAST POINT	Thousand Acre Feer	Percent af Average	PERIOO	Last Year 3	Average †		Averaged	Less fee	Artrigo -	
DUCHESNE RIVER						DUCHESNE RIVER - TOTAL	10	96	105	
Duchesne nr Tabiona 1/	110	105	Apr-July	139	105	LAKEFORK-YELLOWSTONE CREEKS	4	89	96	
Duchesne at Duchesne 1/	200	106	Apr-July		189	STRAWBERRY RIVER	3	103	114	
Strawberry at Duchesne	70	121	Apr-July		<b>5</b> 8	UINTAH - WHITEROCKS RIVERS	3	90	95	
Rock Creek nr Mtn. Home	99	106	Apr-July		93	ASHLEY CREEK	3	87	91	
Currant Creek nr Fruitland	25	125	Apr-July	53	20	BLACK'S FORK	3	78	95	
Lakefork below Moon Lake 1/	70	100	Apr-July		70	SHEEP CREEK	2	69	79	
Yellowstone nr Altonah	68	100	Apr-July		65					
Duchesne at Myton 1/	260	127	Apr-July		205				1	
Whiterocks nr Whiterock	64	110	Apr-July	59	<b>5</b> 8					
Uintah nr Neola	96	110	Apr-July	,	86					
Duchesne at Randlett 1/	330	128	Apr-July		257		-			
West Fork Duchesne at Hanna	27	104	Apr-July		26	1 - Observed flow corrected for	change	in storage a	nd diversions	
						<pre>2 - Inflow record as computed !</pre>	þy U.S.	Bureau of Re	clamation	
FLAMING GORGE TO DUCHESNE RIVER						3 - Provisional flows - Subject	to Corr	ection		
Henry's Fork nr Manila	55	115	Apr-Sept		48	a - Partly estimated				
Black's Fork nr Millburne	<b>9</b> 8		Apr-July		90	b - Average of all past record		han 20 years		
Flaming Gorge Inflow $\underline{1}/$	1100		Apr-July		1248	e - Maximum mean daily peak fl				
Ashley Creek nr Vernal	57	112	Apr-July	62	51	+ - 1961-80 20 year Average Pe				
						<pre>* - Forecast in cooperation wi</pre>	th Natior	al Weather S	ervice	

RESERVOIR STORAGE (Thousand Acro Feet)

		Manhla	U:	EABLE STORAC	3 E	
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Losi Year	Average†	L
ASHLEY CREEK	Red Fleet Steinaker	26.0 33.3	20.4 30.2	18.1 26.0	21.1b	Strawb Ashley Rock C
GREEN RIVER LAKE FORK	Flaming Gorge Moon Lake	3749.0 35.8	3036.5	3151.0 29.1	16.8	NOCK C
STRAWBERRY	Currant Creek Starvation Soldier Creek	15.5 165.3 951.4	7.1 126.0 184.8	5.1 95.1 61.0	112.1b	
UINTAH	Bottle Hollow	11.3	11.3	11.0	10.2bl	I

FORECAST POINT	PEAK FLOW (SEC	OND FEET)
PORECASI POWI	Forecast Renge	Average †
Strawberry at Duchesne Ashley Creek nr Vernal Rock Creek nr. Mtn. Home	600-950 750-1250 1225-1695	675 966 1 <b>415</b>

0W		THIS YEAR		PAST F	ECORD	SNOW		THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE	Dete		Water Content	Weter Cont	ent (inches)	DRAINAGE BASIN and/or SNDW COURSE	Onto	Snew Death	Water Content	Water Conti	Int (inches)
NAME	of Survey	(Inchee)	(Inches)	Less Year	Average †	NAME	of Survey	(Inchas)	(Inches)	Last Year	Average
Brown Duck Ridge	2/25	61	16.4	19.5	15.8	Lakefork Mountain #1	2/25	37	8.5	9.8	9.5
Burnt Creek Currant Creek	2/28 2/25	20 41	1.8	5.0 10.5	4.3 9.6	Mosby Mountain Paradise Park	2/27 2/26	34 45	7.7 11.6	8.4 12.3	8.4 10.9
Daniels-Strawberry Grizzly Ridge	2/25 2/28	49 36	15.5 8.1	15.8 9.8	12.9 9.5	Rock Creek Ranch Spirit Lake	2/25 2/26	30 45	8.1 9.6	7.5 11.5	6.! 10.
Hewinta G. S. Hickerson Park	2/26 2/26	31 30	6.7 5.2	9.8	7.5 5.4	Steel Creek Park Strawberry Divide	2/26 3/1	53 55	12.2 17.0	15.9 23.0	13.
Jackson Park	2/25	44 34	10.1	11.9	11.8	Trout Creek	2/26	41	8.8	8.3	8.
Kings Cabin Upper	2/26	34	7.1	9.4	8.5						
											!
	1										

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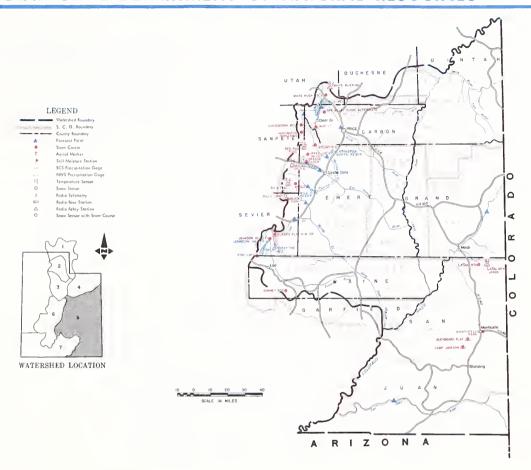
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INGS OLIGO MANUEL

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

#### THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO ABOVE AVERAGE

SNOW COVER generally dropped 11 to 28% of average during February except on Blue Mountains which increased 3%. Snow cover now ranges from 64% of the March 1 average on LaSal Mountains to 105% on Blue Mountains. Price River is 99%, San Rafael 101%, Muddy 86%, and Fremont 98% of the March 1 average.

PRECIPITATION at mountain stations varied from 55% of the February average at Buck Flat to 125% at Fish Lake. Most stations were below average for the month.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS dropped as much as 20% during February and now range from average to 50% above average for the April-July period. Individual forecasts are as follows: Gooseberry Creek 126%, Scofield Inflow 132%, Price near Heiner 158%, Huntington Creek 139%, Cottonwood Creek 150%, Ferron Creek 127%, Muddy Creek 119%, Seven Mile Creek 100% and Mill Creek 100%. The Colorado is forecast 144% near Cisco, Green River 103% near Green River and the San Juan 136% near Bluff. Peak flows are expected to be 30 to 50% above average and property close to streams should be practiced. All water users are expected to have adequate water supplies this season.

USDA-SCS-FORT WORTH, TEXAS 1983 MI - UL - 22U2/

STREAMFLOW FORECASTS		THIS YEAR		PAST	RECORO	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)				
BASIN, STREAM and/or FORECAST POINT	FORE Thousand	Percent of	FORECAST	THOUSAND A	Average \$	RIVER BASIN and or SUB-WATERSHED	Number of Courses		A PERCENT OF	
	Acre Feet	Percent of Average	PERIOD	Lest Year 3	Average		Averaged	Last fear	A.040 †	
PRICE RIVER						PRICE RIVER	4	71	99	
Gooseberry Crk nr Scofield	13.5	126	Apr-July		10.7		}			
Scofield Reservoir Inflow	50	132	Apr-July		38	SAN RAFAEL RIVER	8	61	101	
Price nr Heiner 1/	100	158	Apr-July		63				!	
_			, ,			FREMONT RIVER	3	50	98	
SAN RAFAEL RIVER						1				
Huntington Crk nr Huntington	68	139	Apr-July		49	LASAL MOUNTAINS	2	45	64	
Cottonwood Crk nr Orangeville			Apr-July		47					
Ferron Creek nr Ferron	47		Apr-July		37	BLUE MOUNTAINS	2	110	105	
							_		100	
MUDDY CREEK						MUDDY RIVER	2	55	86	
Muddy Creek nr Emery	22	119	Apr-July	46	18.5		_		00	
I made or can in amery				0 .	3300					
UPPER COLORADO BASIN						1 - Observed flow corrected for	change	in storage a	nd diversion	
Colorado nr Cisco, UT	4450	144	Apr-July		3046	2 - Inflow record as computed I	V U. S.	Bureau of Re	clamation	
Green at Green River, UT	3100		Apr-July		3016	3 - Provisional flows - Subject				
Mill Creek nr Moab	5.5		Apr-July				1	[		
Navajo Reservoir Inflow	930		Apr-July		684	b - Average of all past record	- less t	han 20 years		
San Juan nr Bluff, UT	1350		Apr-July		995	e - Maximum mean daily peak flo		Jun 20 years	1	
Jan ogan in biarry ov						+ - 1961-80 20 year Average Per		į		
FREMONT RIVER						* - Forecast in cooperation with		al Weather	ervice	
Seven Mile Crk nr Fish Lake	6.5	100	Apr-July		6.5	1	1	in weather .	2,110	
RESERVOIR STORAGE (Thousand Acro Foot)	0.5	100	pr - oury		0.0	PEAK FLOWS <sup>e</sup>				

PEA		

PEAK FLOW (SECOND FEET) Forecast Range Aver
Forecast Renge Aver
510-670 44 230-290 16
700-900 51

NOW		THIS YEAR		PAST R	ECORD	SNOW	THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE	Date		Water Content	Water Conte	nt (inches)	DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Death	Water Content	Water Cante	int (inches)
NAME	of Survey	(Inches)	(Inches)	Last Year	Average †	NAME	at Survey	(Inches)	(Inches)	Last Year	Average †
Buck Flat Buckboard Flat Camp Jackson Dills Camp Dry Valley Divide Alternate Huntington-Horseshoe Indian Canyon LaSal Mtn. Upper Mammoth-Cottonwood R.S.	2/24 2/27 2/27 2/27 2/24 2/24 2/24 2/25 2/28 2/24	48 46 48 34 38 54 43 44 54	14.2 11.4 12.4 9.0 10.8 18.4 11.3 9.2 18.3	22.8 11.5 10.1 15.1 14.5 31.8 10.5 17.2 27.8	14.4 11.2 11.5  11.2 19.9 10.7 12.4 18.1	Monticello City Park Mud Creek Red Pine Ridge Seeley Creek Stuart R.S. Upper Joe's Valley White River #1 White River #3 Wrigley Creek	2/24 2/24 2/24 2/24 2/24 2/25 2/25 2/25	43 48 45 28 37 42 28 38	12.0 15.2 14.6 7.8 11.1 12.0 /.6 9.1	1.6 17.1 24.0 28.2 13.5 15.4 16.0 12.3 13.9	11.8 14.7 13.9 8.7

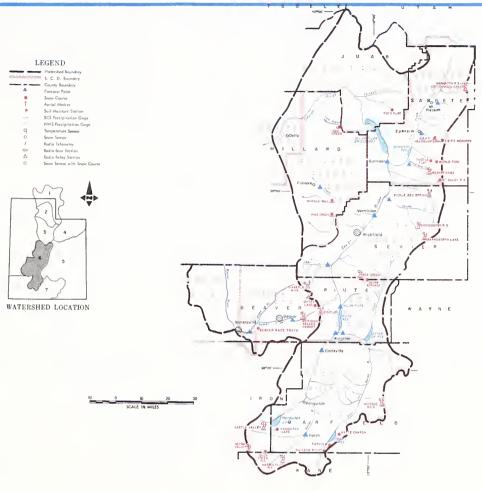
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SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

#### THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER dropped 12 to 31% of average and now ranges from 96% on the East Fork and Lower Sevier to 105% on the South Fork Sevier and Beaver Rivers.

PRECIPITATION at mountain stations ranged from 45% of the February average at Widtsoe-Escalante #3, to 124% at Mammoth-Cottonwood on the San Pitch River.

SOIL MOISTURE is above average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECAST dropped as much as 87% on the Lower Sevier during February and now range from 107% of average on Antimony Creek to 580% for Vermillion Dan to Gunnison.

Other forecasts are as follows: Sevier River at Hatch 108%, Circleville 146%, Kingston 133%, East Fork 116%, Clear Creek 116%, Salina Creek 124%, Sevier near Gunnison 305%, Ephriam Creek 128% and Pleasant Creek 122%. Chalk Creek near Fillmore is forecast 112%, Oak Creek 119%, Chicken Creek 113% and Salt Creek 115% of average. Beaver River is forecast 119%, North Creeks 121%, and Minersville Inflow 145% of the April-June average.

Peak flows are expected to be in the near average range and all water users are expected to have adequate water supplies this season assuming near average conditions for the runoff season.

STREAMFLOW FORECASTS		THIS YEAR	,	PAST P	RECORD	SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)				
BASIN, STREAM and/ or PORECAST POINT	PORE Thousand	CAST #	PORECAST	THOUSAND A		RIVER BASIN and or SUB-MATERSHED	Number of Courses		A PERCENT OF	
BASIN, STREAM BID & PORECAS) POINT	Acre Peer	Forcent of Average	PERIOD	Last Year 3	Average +		Averaged	Last Year	V-mete T	
SEVIER RIVER						UPPER SEVIER RIVER	11	97	102	
Sevier at Hatch	52		Apr-July	46	48	East Fork Sevier	4	74	96	
Sevier nr Circleville	46	146	Apr-July		38	South Fork Sevier	7	111	105	
Sevier nr Kingston	38	133	Apr-July		28					
Antimony Crk nr Antimony	11	107	Apr-July		10.3	LOWER SEVIER	12	57	96	
East Fork Sevier nr Kingstonl		116	Apr-July		18.9					
Sevier below Piute Dam	62	138	Apr-July		45	BEAVER RIVER	3	66	105	
Clear Crk nr Sevier (abv Div)		116	Apr-July		18.9					
Sigurd to Gunnison	140		Apr-July		26					
Kingston to Vermillion Dam	62	138	Apr-June		45	1		ŧ		
Vermillion Dam to Gunnison	145	410	Apr-June		35					
Salina Creek at Salina	14.7	124	Apr-June		11.9	1 - Observed flow corrected for				
Sevier nr Gunnison	165	305	Apr-July	'	54	2 - Inflow record as computed	∮y U.S.	Bureau of Re	clamation	
Chalk Creek nr Fillmore	18.4		Apr-July		16.4	3 - Provisional flows - Subject	t to Corr	ection		
Chicken Creek nr Levan	4.0	113	Apr-July		3.5	a - Partly estimated	İ			
Oak Cr. nr Oak City	1.9		Apr-July		1.6	b - Average of all past record		han 20 years	l	
Ephraim Creek nr Ephraim	19.0		Apr-July		14.9	e - Maximum mean daily peak fl	φw			
Pleasant Crk nr Mt. Pleasant	10.5		Apr-July		8.6	+ - 1961-80 20 year Average Pe	riod			
Salt Creek nr. Nephi	15.5		Apr-July		13.5	* - Forecast in cooperation wi	<b>t</b> h Natior	al Weather S	ervice	
Beaver nr Beaver	27	119	Apr-July	52	23				n i	
North Creek (Combined)	17.7		Apr-July		14.6		ŀ			
Minersville Inflow	12.9	145	Apr-June	1	8.9		I	1		
RESERVOIR STORAGE (Thousand Acro Foot)						PEAK FLOWS <sup>e</sup>				

BYOUR STORAGE (Thou		12.9 14:	Mp1-Ju	ne	0.9	PEAK FLOWS	e
BASIN OR STREAM	RESERVOIR	Usable	U!	EABLE STORA	GE		

		Hambia	U:	EABLE STORA	GE		PEAK PLOW (SEC	OND PEET)
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year Last Year		Average †	FORECAST POINT	Forecast Range	Average †
SEVIER RIVER	Gunnison Otter Creek Piute Sevier Bridge Panguitch Lake	18.2 52.5 71.8 236.0 22.3	15.0 47.7 61.8 217.2 20.3	13.8 49.0 57.1 208.0 20.6	14.0 <sup>t</sup> 31.2 41.5 119.6	Beaver River nr Beaver Sevier River at Hatch Sevier River nr Kingston Clear Creek nr Sevier Salina Creek nr Salina	180-445 450-600 370-560 240-340 200-400	257 484 312 226 285
BEAVER RIVER	Minersville (Rky Fd)	26.0	23.8	22.5	12.9			

WOW	THIS YEAR			PAST RECORD SNOW				THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Depth	Water Centent	Water Cons	ent (inches)	DRAINAGE BASIN and/or SNOW COURSE	Date	Snew Death	Wester Content	Water Cenu		
HAME	of Survey (Inches) (Inches		(Inches)	Last Year Average T		NAME	af Survey	(Inches)	(Inches)	Last Year	Average \$	
Big Flat Bryce Canyon Castle Valley Duck Creek Farnsworth Lake Gooseberry R.S. Harris Flat Kimberly Mine	2/22 2/28 2/22 2/23 2/24 2/24 2/23 2/22	55 20 36 42 53 35 32 53	14.9 4.6 10.5 11.9 15.4 8.4 9.0 14.0	23.8 4.4 14.1 7.8 24.4 16.5 4.1 19.7	14.0 4.7 11.5 12.4 15.3 10.1 8.4 12.8	Long Valley Junction Merchants Valley Upper Midway Valley Oak Creek Otter Lake Pickle Keg Springs Pine Creek Widtsoe-Escalante #3	2/23 2/22 2/23 2/22 2/22 2/24 2/22 2/23	17 43 61 39 44 41 47 38	6.5 11.4 20.5 9.5 11.9 11.8 13.9 9.3	0.9 16.3 16.4 16.8 17.5 25.7 27.2 8.7	5.3 11.1 18.4 13.1 11.2 13.2 13.5 9.6	

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OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300

FIRST - CLASS MAIL POSTAGE AND FEES PAID USDA - SCS SALT LAKE CITY, UTAH PERMIT NO. G -267

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE UTAH STATE DEPARTMENT OF NATURAL RESOURCES



MARCH 1, 1985

# THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER dropped 13 to 27% of average and now ranges from 87% of the March 1 average on Parowan Creek to 133% in the Enterprise-New Harmony area. Coal Creek is now 98% of average, Escalante River is 97%, and Virgin River 107% of the March 1 average.

PRECIPITATION at mountain stations ranged from 38% of the February average at Webster Flat to 66% at Duck Creek Ranger Station.

SOIL MOISTURE is above average on most of the higher elevations.

RESERVOIR STORAGE in Gunlock Reservoir is now 7,200 acre feet, or almost full, and Quail Creek is beginning to store water but is not up above the required amount for fishery and therefore has no useable water for irrigation. Enterprise reservoirs are reported less than half full.

STREAMFLOW FORECASTS dropped again this month and now range from 89% of the April-June average for the Santa Clara to 134% for Lake Powell Inflow. The Virgin is forecast 106% of average and Coal Creek 100% of average. Peak flows are expected to be near on Coal Creek and below average on the Virgin assuming near average temperature and precipitation for the remainder of the runoff season. Water users are expected to have an adequate water supply this season.

983 M7-OL-22027-7

TREAMFLOW FORECASTS		THIS YEAR		PAST	RECORD	SUMMERY OF SHOW MEASUREMENTS (COMPARISON WITH	PREVIOUS YEARS		
BASIN, STREAM md/or FORECAST POINT	Thousand	CAST X	FORECAST	THOUSANO /		RIVER BASIN and or SUB-WATERSHED	Number of Courses	THIS YEAR AS	A PERCENT OF
BASH, STREM BID & PORECAST POINT	Thousand Percent of Average PERIOD		Lost Year 3	Avorage *		Averaged	Less Year	Average -	
VIRGIN RIVER  Virgin nr Hurricane Santa Clara nr Pine Valley  COAL CREEK  Coal Creek nr Cedar City	51 4.7 18.4	89	Apr-June Apr-July	con con	48 5.3 18.4	COAL CREEK  VIRGIN RIVER  PAROWAN CREEK  ENTERPRISE - NEW HARMONY  ESCALANTE RIVER	4 5 4 2	118 143 65 271 107	98 107 87 133 97
UPPER COLORADO  Lake Powell Inflow	10000	134	Apr-July		7462	1 - Observed flow corrected fo 2 - Inflow record as computed 3 - Provisional flows - Subjec a - Partly estimated b - Average of all past record e - Maximum mean daily peak fl + - 1961-80 20 year Average Pe * - Forecast in cooperation wi	t to Corr - less tow riod	Bureau of Re ection han 20 years	clamation

		Hanble	Ų:	SEABLE STORA	GE		PEAK FLOW (SECONO FEET)		
BASIN OR STREAM	RESERVOIR	Usable Capacity	This Year	Lost Year	Avereget	FORECAST POINT	Forecast Range	Average †	
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	438.1	21478.0 375.0		Coal Creek nr Cedar City Virgin nr Hurricane	250-400 550-900	220 1092	
VIRGIN	Gunlock Quail Creek	7.4 26.0	7.2 0.0						

W	THIS YEAR			PAST RECORD SNOW				THIS YEAR		PAST R	ECORD
DRAINAGE BASIN mid/or SNOW COURSE	Date	Snow Depth	Water Content	Weter Conte		DRAINAGE BASIN and/or SNOW COURSE	Date	Snow Depth	Water Centent	Weter Conti	ent (inches)
NAMĘ	of Survey (Inches) (Inc		(Inchas)	b) Lest Year Average †		NAME	of Survey	(Inches)	(inches)	Lest Year	Average
irch Crossing rian Head arris Flat olob-Crystal ittle Grassy ong Flat Iidway Valley	2/26 2/22 2/23 2/23 2/22 2/22 2/23	20 53 32 57 20 26 61	5.7 16.0 9.0 18.9 6.8 7.3 20.5	9.7 21.1 4.1 16.0 0.1 5.1 16.4	6.8 17.5 8.4 16.8 4.4 6.2 18.4	Long Valley Junction SUSC Ranch Tall Poles Webster Flat Yankee Reservoir	2/23 2/26 2/26 2/22 2/23	17 22 39 45 29	6.5 7.3 10.3 14.4 7.0	0.9 8.3 18.3 11.1 11.2	5.3 8.9 12.6 15.6 8.1

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE Federal Bldg. - Room 4012 Salt Lake City, Utah 84138

OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300

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SNOW COURSE	ELEVATION	DATE	SNOW DEPTH			AVERAGE 1961-80
BEAR RIVER, UPPER (abov	e Harer. To	daho)		`		
DEIII NEVERO DI PER 1000	C 1101 C17 Z.					
BIG PARK	8620	2/28/85		14.0		
BURT'S-MILLER RANCH	7900 7000	2/26/85 2/25/85		11.4	4.7 11.9	4.7 11.4
HAYDEN FORK		2/23/85		13.3		
KELLEY RANGER STA.		2/28/85	49	12.2	17.0	
MONTE CRISTO R.S.	8960	2/24/85	65	22.2	26.2	22.1
		2/26/85				
SALT RIVER SUMMIT		2/28/85			13.9	
SNIDER BASIN R.S. STILLWATER CAMP		2/26/85		12.7 8.7		15.4 8.9
TRIAL LAKE		2/26/85				
BEAR RIVER, LOWER (below	w Harer, Io	isho)				
CHRISTENSEN RANCH		NO REPORT	٢			
CUB RIVER R.S.	5450	2/25/85	33	8.3		8.6
DRY BASIN	7820	2/25/85		22.0		25.0
DRY CREEK FLAT	6360 7390	2/25/85 2/26/85		8.6 19.9		7.8 21.9
EMIGRANT SUMMIT FMIGRATION CANYON	6500	2/26/85		9.9		9.9
	8020	2/25/85	66	21.9		
GARDEN CITY SUMMIT	7600	2/25/85	58	17.4	21.4	15.5
HORSESHOE BASIN		NO REPORT				. <b>-</b> -
KLONDIKE NARROWS		2/25/85	5 <i>7</i>		22.9	
LIBERTY SPRING LITTLE BEAR (LOWER)	<b>8</b> 600 6000	2/25/85 2/24/85	82 38	26.4 10.5	14.6	32,1 9,3
LITTLE BEAR (UPPER)	6550	2/24/85	47	13.7	18.0	11.0
OXFORD MOUNTAIN	6800	2/25/85	35	8.6	15.1	9.7
SLUG CREEK DIVIDE	7230	2/27/85	45	12.2	15.9	15.1
STEEP HOLLOW #1	8500	2/25/85	89	30.8	38.5	31.1
STEEP HOLLOW #2 STRAWBERRY CREEK	7700 5820	2/25/85 2/26/85	69 43	22.0 11.8	29.2 17.4	22,9 9.9
STRAWBERRY-MINK DIV		2/25/85	62	18.0	27.8	19.2
TONY GROVE LAKE	8400	2/25/85	88	30.4	40.1	31.9
TONY GROVE R.S.	6250	2/25/85	45	12.3	16.8	11.1
WILLOW FLAT	6100	2/25/85	52	14.6	23.5	14.1
RAFT RIVER						
CLEAR CREEK MEADOWS	9420	2/26/85	54	14.9	22.6	17.9
GEORGE FEAK	9000	2/26/85	58	16.5	31.0	21.6
ONE MILE SUMMIT VIFONT	<b>73</b> 30 7670	2/26/85 2/26/85	18 44	5.2 11.6	7.6 18.0	6.2 13.2
OGDEN RIVER						
BEAVER CREEK-SKUNK	7150	2/24/85	38	12.2	16.3	11.2
BEN LOMOND PEAK	8000	2/24/85	96	32.4	54.5	31:4
BEN LOMOND TRAIL	6000	2/24/85	67	21.7	28.8	15.8
DRY BREAD FOND	8350	2/24/85	54	16.3	22.1	16.2
MONTE CRISTO R.S. SAGEBRUSH FLAT	8960 6300	2/24/85 2/24/85	65 24	22.2 5.6	26.2 9.2	22.1 4.8
SHOLDNOON I LAI	0300	2/27/00	£ 7	0+0	7 + 2	4.3.13

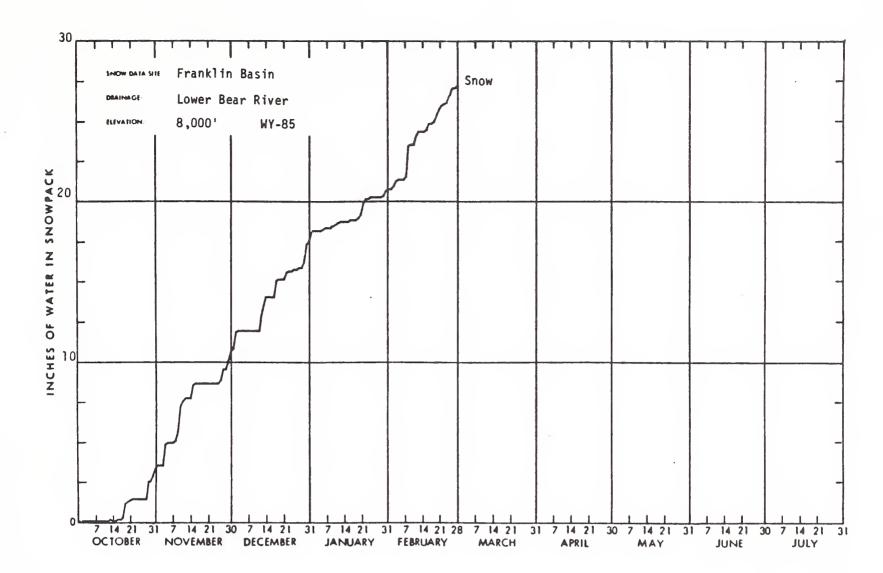
SNOW COURSE	ELEVATION	DATE		WATER CONTENT		AVERAGE 1961-80
WEBER RIVER						
BEAVER CREEK R.S.	7500	2/26/85	31	7.6	10.5	7.8
CHALK CREEK #1	9100	2/26/85		19.1		18.1
CHALK CREEK #2		2/26/85		12.4		
CHALK CREEK #3		2/26/85		7.5	8.0	6.7
EAST SHINGLE LAKE		NO REPORT				4.00.00
FARMINGTON CANYON		2/24/85	69	20.9		
FARMINGTON CANYON HORSE RIDGE	8000 8260	2/24/85 2/24/85		28.4		25.6
KILFOIL CREEK		2/24/85		18.3 13.4		18,9
LOST CREEK RESERV		2/24/85		5.9		
PARK CITY SUMMIT		3/01/85		30.0		26.6
PARLEY'S CANYON S			<del>-</del>	16.8		15.9
FINE CANYON		2/24/85		19.9		17.1
REDDEN MINE LOWER		2/26/85		17.5		
SERGEANT LAKES		NO REPORT	T =			
SMITH & MOREHOUSE	7600	2/26/85	42	11.9	14.4	11.4
TRIAL LAKE		2/26/85	64	19.4	22.3	20.8
PROVO RIVER & UTAH LA	KE					
BEAVER CREEK DIVI	DE 8280	2/26/85	38	9.0	12.4	11.3
CLEAR CREEK RIDGE				16.8		16.3
CLEAR CREEK RIDGE		2/25/85		12.6		12.2
CLEAR CREEK RIDGE		2/25/85	30	8.0		
DANIELS-STRAWBERR	Y 8000	2/25/85	49	15.5	15.8	
HOBBLE CREEK SUMM	IT 7420	2/25/85	48	13.4		12.8
FAYSON R.S.	8050	2/22/85	54	17.0	24.6	16.4.
SOAFSTONE R.S.		2/26/85		10.2	13.1	11.3
TIMPANOGOS DIVIDE		3/05/85		22.8		
TRIAL LAKE	9960	2/26/85	64	19.4	22.3	20.8
JORDAN RIVER & GREAT	SALT LAKE					
LAMES CANYON	7400	2/27/85	50	16.9	20.0	13.8
MILL CREEK	6950	3/01/85	55	16.8		16,1
MILL D SOUTH FORK		3/01/85	55	18.2	22.9	17.0
FARLEY'S CANYON S		2/27/85	55	16.8	23.1	15.9
SILVER LAKE(BRIGH		2/26/85		22.6	25.0	20.4
SNOWBIRD GAD VALL	.EY	NO REPOR	Ţ			
TOOELE VALLEY WATERSH	IEDS AND VERNO	N CREEK				
BEVAN'S CABIN	6450	2/27/85		9.8		8.3
DESERET PEAK		NO REPORT				
	7000	2/27/85	45	13.0		
ROCKY BASIN-SETTL		2/27/85		23.4		
VERNON CREEK	7500	3/01/85	43	11.7	14.5	8.9

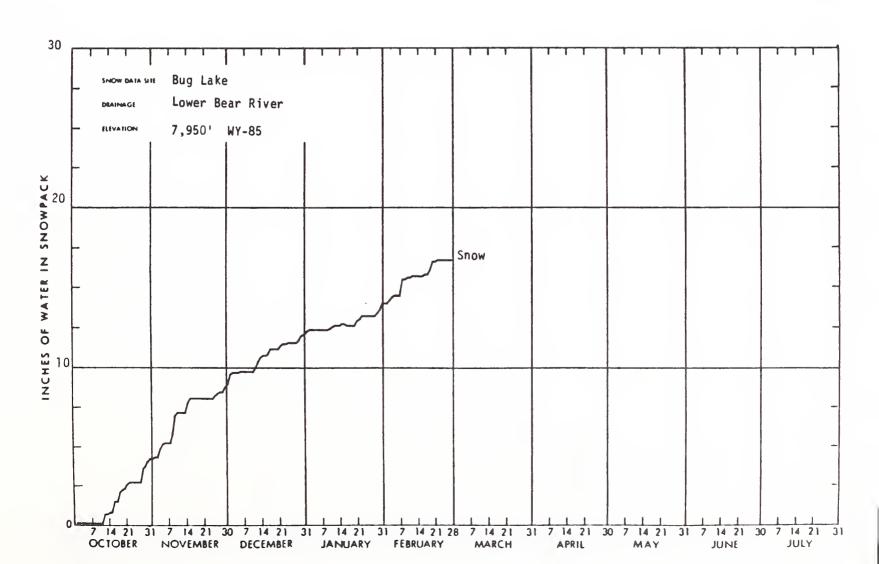
				.*		
SNOW COURSE	ELEVATION	DATE	SNOW DEPTH		LAST YEAR	
UPPER GREEN RIVER in UT	AH (above 1	Duchesne Ri	iver)			
ASHLEY THIN LAKES		NO REPORT	r			
BLACK'S FORK GS-EF		2/26/85		7.1	9.3	7.6
ELACK'S FORK JUNCTH		2/26/85		7.7	9.6	7.6
BUCK PASTURE		NO REPORT				
BURNT CREEK	7900	3/01/85		4.1		4.3
GRIZZLY RIDGE	8500	2/28/85		8.1	9.8	9.5
HENRY'S FORK HEWINTA G.S.	9500	NO REFORT 2/26/85	31	6.7	9.8	7.5
HICKERSON FARK	9100	2/26/85	30	5.2		5.4
HOLE-IN-THE-ROCK	, = , ,	NO REPORT				
HOLE-IN-THE-ROCK GS	6	NO REPORT	Г			
KING'S CABIN (UPPER		2/26/85	34	7.1	9.4	8.5
MIDDLE BEAVER CREEK	(	NO REPORT				
REYNOLDS FARK SFIRIT LAKE	10300	NO REPORT 2/26/85		9.6	11.5	10.1
STEEL CREEK PARK		2/26/85		12.2		
TROUT CREEK	9400			8.8		
DUCHESNE RIVER						
ATWOOD LAKE	10500	2/26/85	40	8.5	***	12.2
BROWN DUCK RIDGE		2/25/85	61	16.4	19.5	15:8
CHEFETA-WHITERKS. L		NO REFOR			40 ==	<b>5</b> /
CURRANT CREEK DANIELS-STRAWBERRY	8000 8000	2/25/85 2/25/85	41 49	11.1 15.5	10.5 15.8	9.6 12.9
EAST PORTAL	7560	3/01/85	46	14.3	14.2	10.2
FIVE POINT LAKE	, 000	NO REPORT		1440	1716	1016
INDIAN CANYON	9100	2/25/85	43	11.3	10.5	10.7
JACKSON PARK	10600	2/25/85	44	10.1	11.9	11.8
LAKEFORK BASIN	40200	NO REPORT		0 =	0.0	.*
LAKEFORK MOUNTAIN 4 LAKEFORK MOUNTAIN 4		2/25/85 2/25/85	3 <i>7</i> 30	8.5 6.4	9 · 8 5 · 5	9 • 5 5 <sub>•</sub> 9
LIGHTNING LAKE	5 5400	NO REPORT		0+7	3+3	J ; 7
MOSEY MOUNTAIN(LOW)	9500	2/27/85	34	7.7	8.4	8.4
PARADISE PARK	10100	2/26/85	45	11.6	12.3	10.9
ROCK CREEK	7900	2/25/85	30	8.1	7.5	6,5
STRAMBERRY DIVIDE	8400	3/01/85	55	17.0	23.0	16.8
PRICE RIVER						
					4.6.50	
DRY VALLEY DIVIDE A		2/24/85	<b>3</b> 8	10.8	14.5	11.2
MUD CREEK WHITE RIVER #1	<b>860</b> 0 <b>855</b> 0	2/24/85 2/25/85	43 42	12.0 12.0	17.1 16.0	11:8 11.9
WHITE RIVER #3	7400	2/25/85	28	7.6	12.3	7,9
SAN RAFAEL RIVER						
BUCK FLAT	9800	2/24/85	48	14.2	22.8	14.4
HUNTINGTON-HORSESHO	9800	2/24/85	54	18.4	31.8	19:9
URANGE OLSEN	7200	2/24/85	23	5.6	7.0	4.4
RED PINE RIDGE	9200	2/24/85	48 45	15.2	24.0 28.2	14,7 13,9
SEELEY CREEK R.S. Stuart R.S.	10000 795 <b>0</b>	2/24/85 2/24/85	40 28	14.6 7.8	13.5	8,7
UPPER JOES VALLEY	8900	2/24/85	37	11.1	15.4	9.3
WRIGLEY CREEK	9000	2/24/85	38	9 • 1	13.9	<b>9</b> . 7
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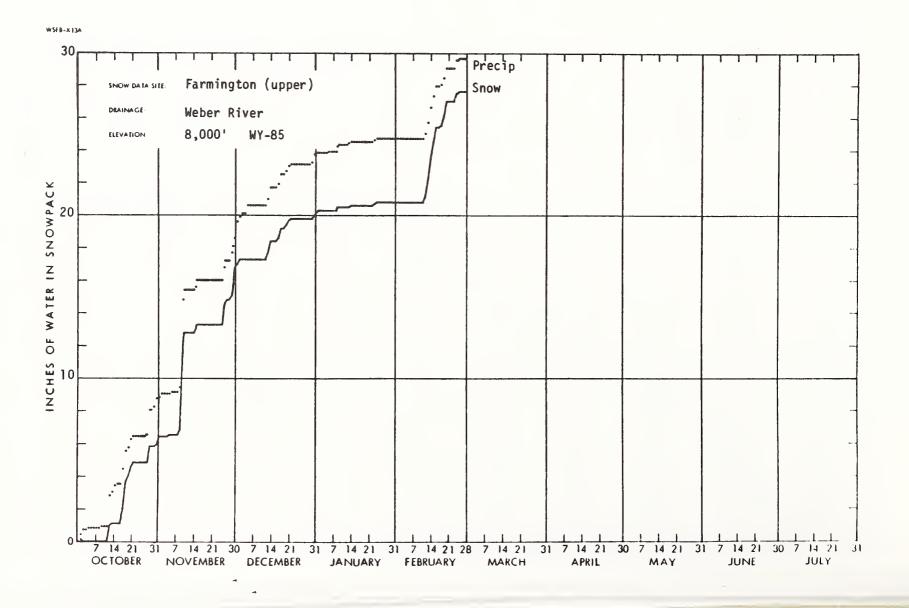
SNOW COURSE	ELEVATION	DATE	SNOH DEPTH			AVERAGE 1961-80
MUDDY RIVER						
BLACK'S FORK DILL'S CAMP				9.8 9.0		
FREMONT RIVER						
BLACK'S FLAT-U.M. DONKEY RESERVOIR	CK 9400	2/23/85 NO REPOR		9.2	13.6	9.3
FISH LAKE JOHNSON VALLEY		2/23/85 2/23/85		6.3 6.4		6.7
LASAL MOUNTAINS		•				
LASAL MOUNTAIN LO LASAL MOUNTAIN (U						
BLUE MOUNTAINS						
BUCKBOARD FLAT CAMP JACKSON MONTICELLO PARK			48	11.4 12.4		
UPPER SEVIER RIVER (s	outh of Richf	ield, Uta	h)			
BOX CREEK BRYCE CANYON CASTLE VALLEY DUCK CREEK R.S. HARRIS FLAT KIMBERLY MINE(UPP) LONG VALLEY JCT. MIDWAY VALLEY FANGUITCH LAKE SQUAW SPRINGS WIDTSOE-ESCALANTE	8000 9580 8700 7700 ER) 9300 7500 9800 8200 9300 #3 9500	2/28/85 2/22/85 2/23/85 2/23/85 2/23/85 2/23/85 2/23/85 2/23/85 2/23/85 2/23/85	20 36 42 32 53 17 61 18 24 38	6.5 20.5 4.8 6.2	4.4 14.1 7.8 4.1 19.7 .9 16.4 6.6	4.7 11.5 12.4 % 8.4 12.8 5.3
LOWER SEVIER RIVER (i)						
BEAVER DAMS FARNSWORTH LAKE G.B.R.C. HEADQUAR' G.B.R.C. MEADOWS GOOSEBERRY R.S. MAMMOTH-COTTONWOOD MIDDLE FORK MT.BALDY R.S. DAK CREEK FICKLE KEG SPRING FINE CREEK REES'S FLAT SHINGLE MILL THISTLE FLAT	TER 8700 10000 8000 D 8800 9500 7760	2/24/85	53 38 62 35 54 61 39 41 47 44 29	9.0 15.4 12.7 21.5 8.4 18.3 19.4 9.5 11.8 13.9 11.8	25.2 30.8 16.5 27.8 32.3 16.8 25.7 27.2 16.8	15.3 13.9 19.4 10.1 18.1 19.8 13.1 13.2 13.5

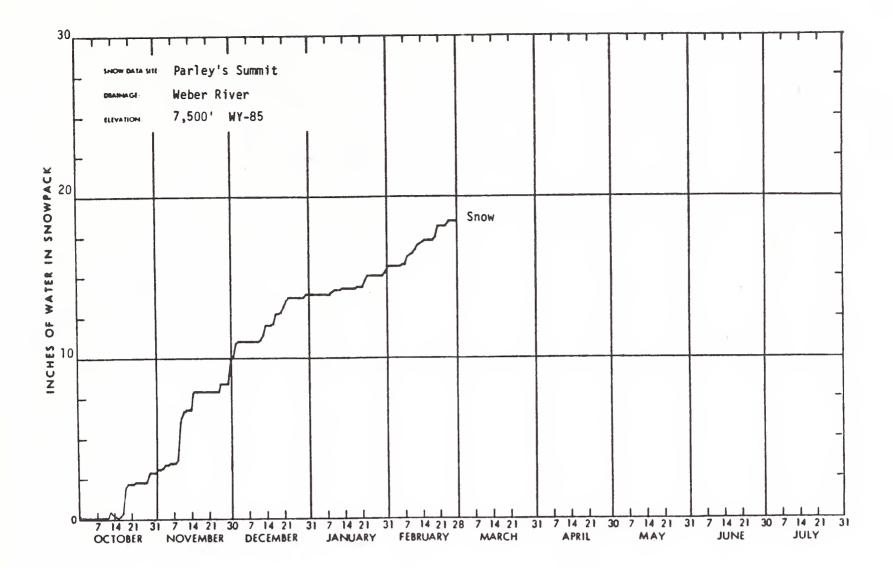
SNOW COURSE	ELEVATION	DATE	SNOW DEFTH	· <del>-</del> · ·		AVERAGE 1961-80
BEAVER RIVER						
BEAVER RACE TRACK BIG FLAT MERCHANT VALLEY (UF OTTER LAKE	8750	NO REPOR 2/22/85 2/22/85 2/22/85	<b>55</b> 43	14.9 11.4 11.9		11.1
FAROWAN						
BIRCH CROSSING BRIAN HEAD TALL POLES YANKEE RESERVOIR	8800	2/26/85 2/22/85 2/26/85 2/23/85	39	5.7 16.0 10.3 7.0	21.1	17,5
ESCALANTE RIVER						
DONKEY RESERVOIR WIDTSOE-ESCALANTE #		NO REFOR 2/23/85		9.3	8.7	9.6
ENTERPRISE TO NEW HARMO	NY DRAINAGE	S				
LITTLE GRASSY CREEK LONG FLAT	6100 8000		20 26	6.8 7.3	.1 5.1	4.4
COAL CREEK						
CEDAR CITY GOLF COU MIDWAY VALLEY SUSC RANCH WEBSTER FLAT	R 5800 9800 8200 9200	2/26/85 2/23/85 2/26/85 2/22/85	0 61 22 45	.0 20.5 7.3 14.4	.1 16.4 8.3 11.1	.1 18.4 8.9 15.6
VIRGIN RIVER						
HARRIS FLAT KOLOB-CRYSTAL LONG VALLEY JCT. MIDWAY VALLEY WEBSTER FLAT	7700 9250 7500 9800 9200	2/23/85 2/23/85 2/23/85 2/23/85 2/22/85	32 57 17 61 45	9.0 18.9 6.5 20.5 14.4	4.1 16.0 .9 16.4 11.1	8.4 16.8 5.3 18:4 15.6

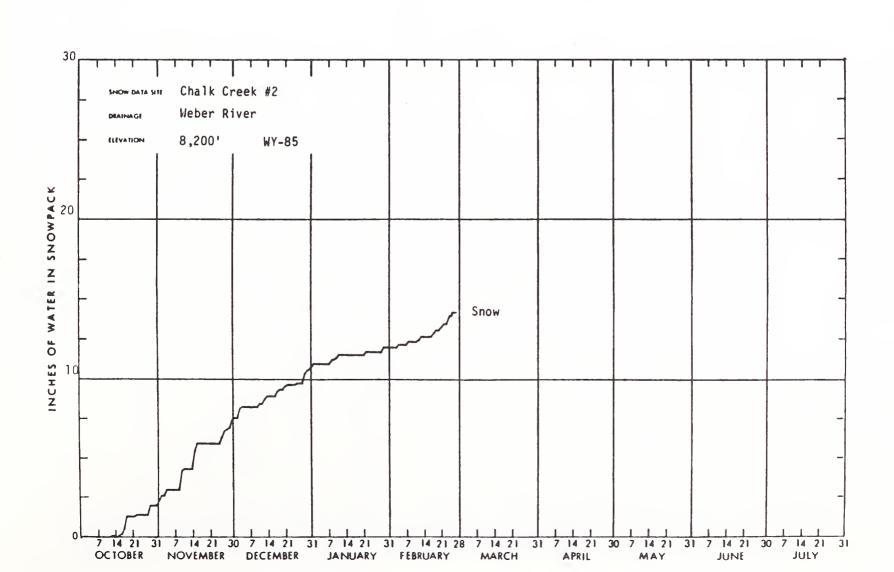






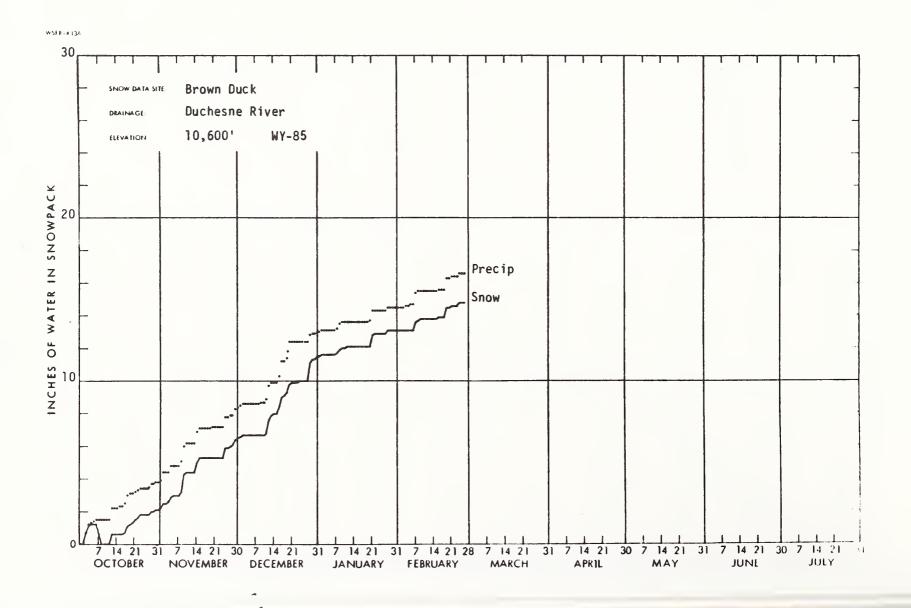


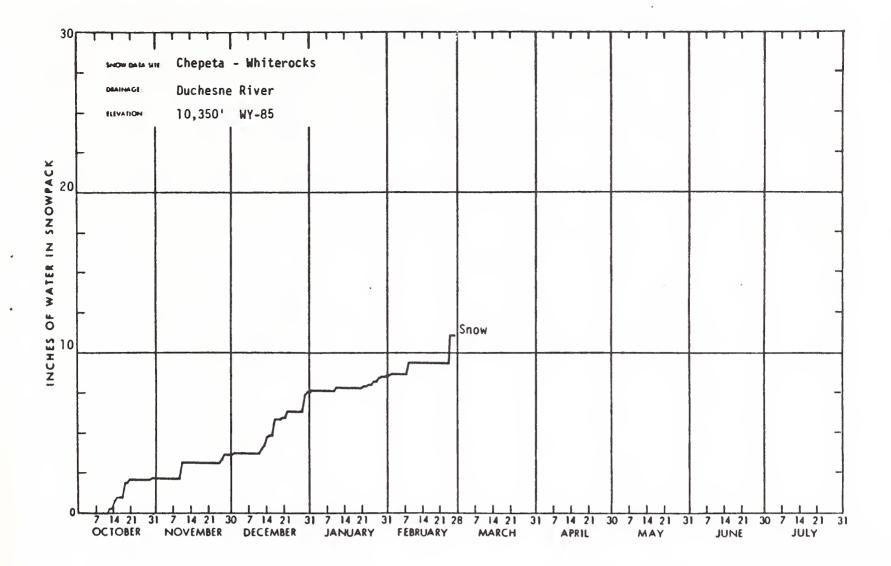


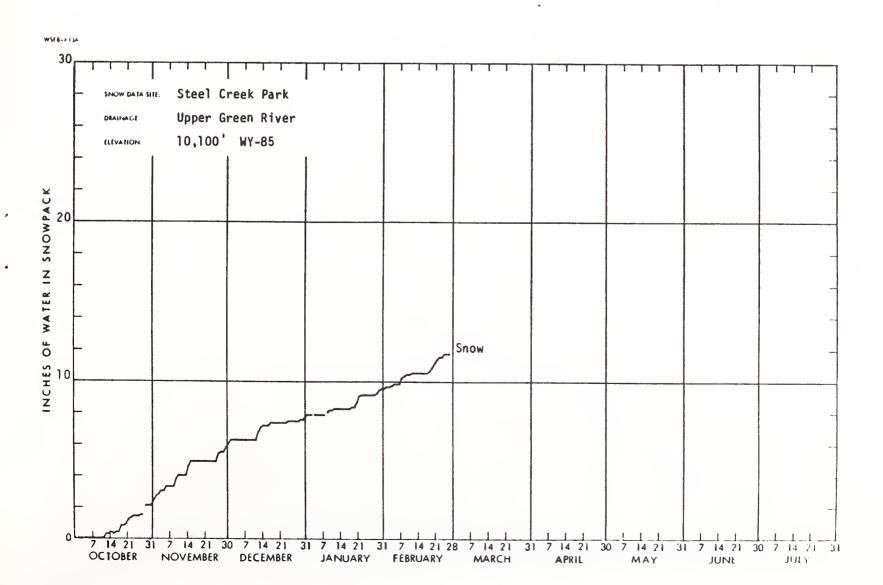


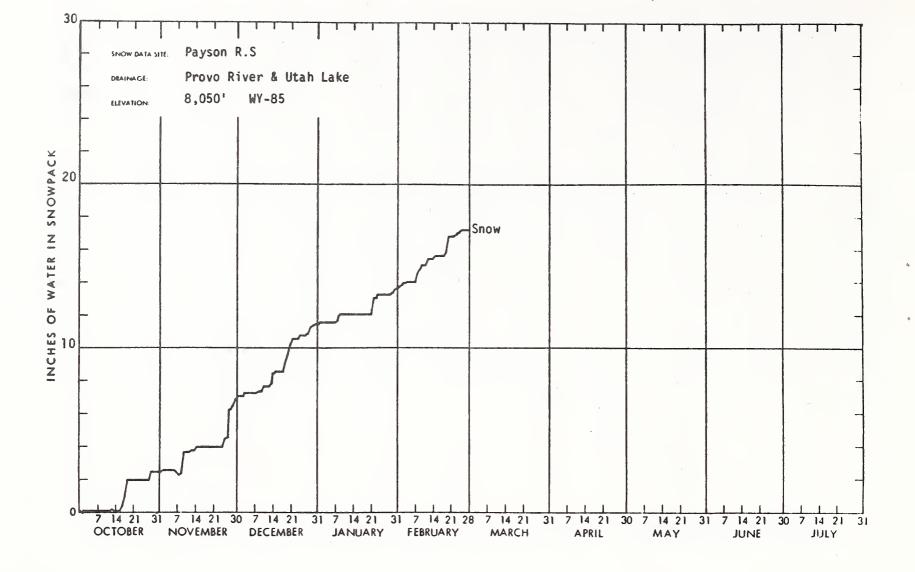
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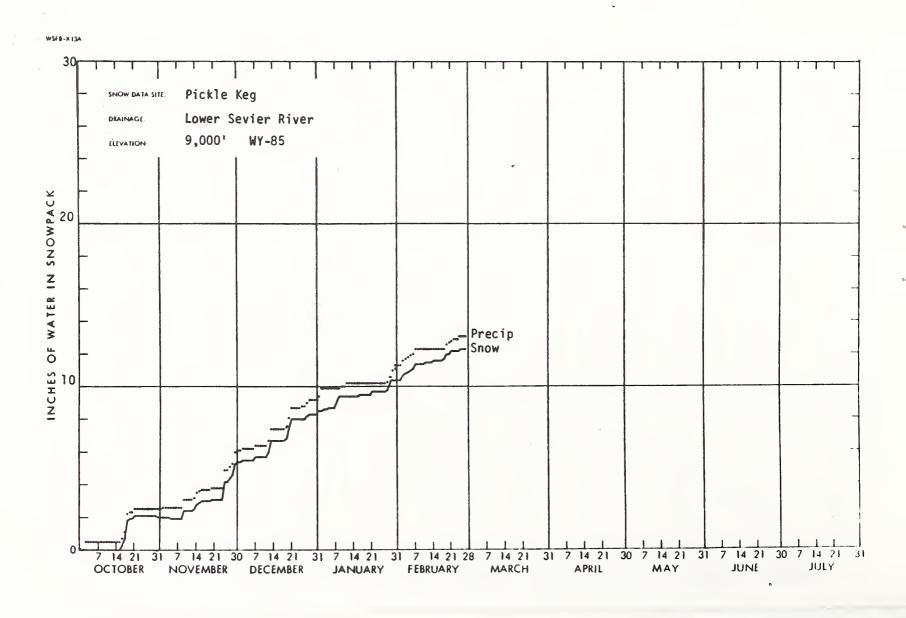
7 14 21 OCTOBER



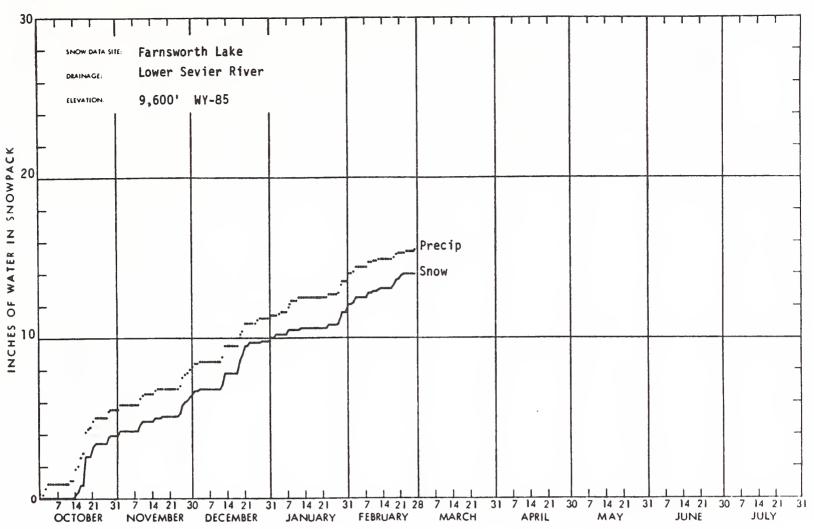


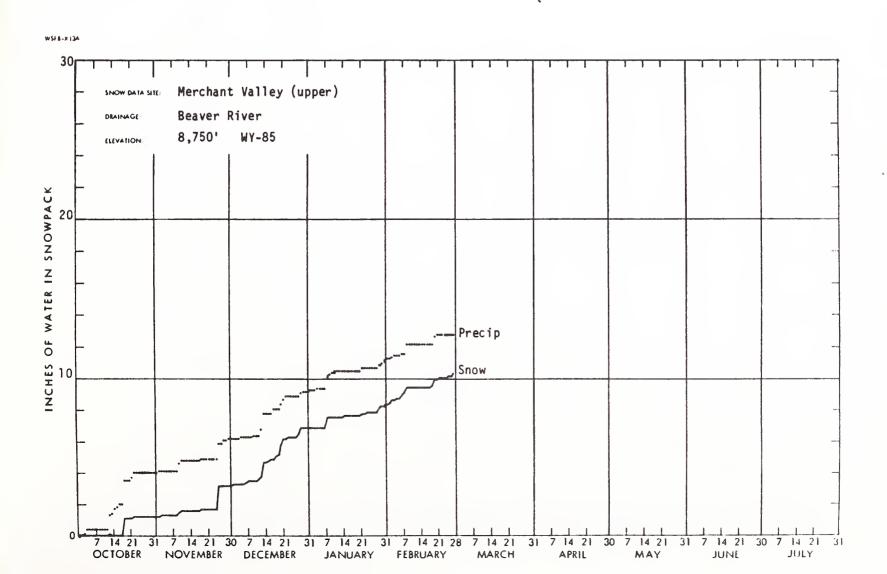




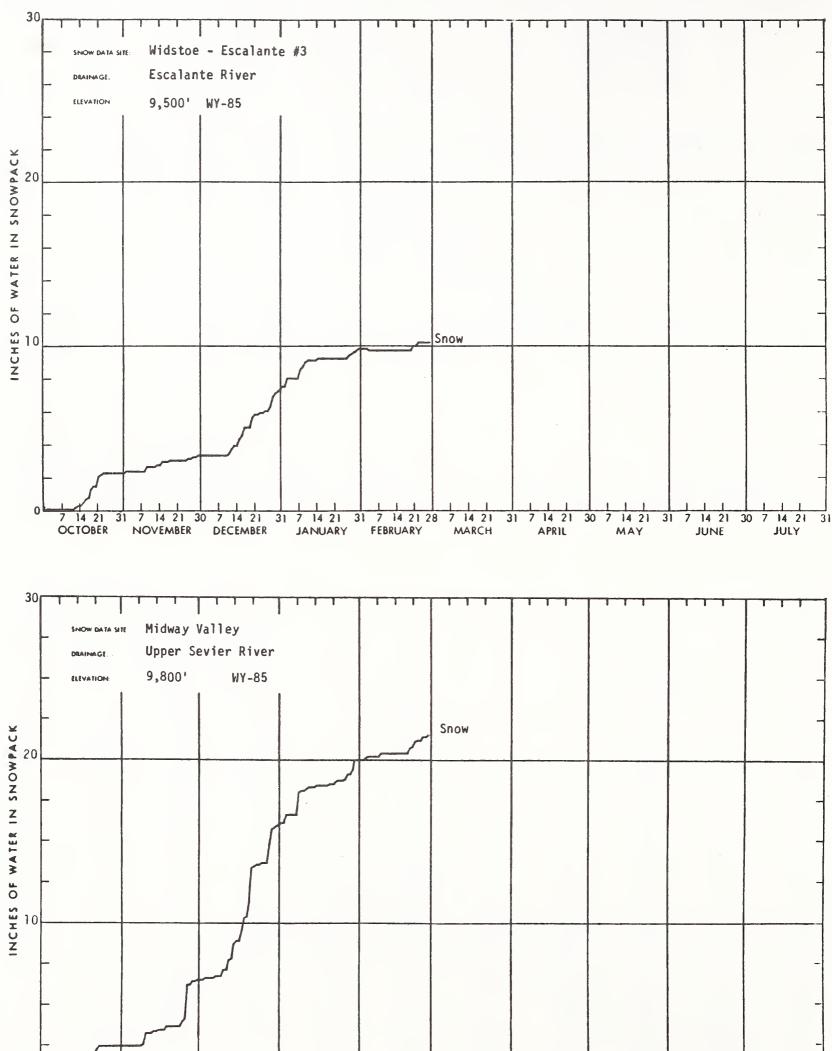




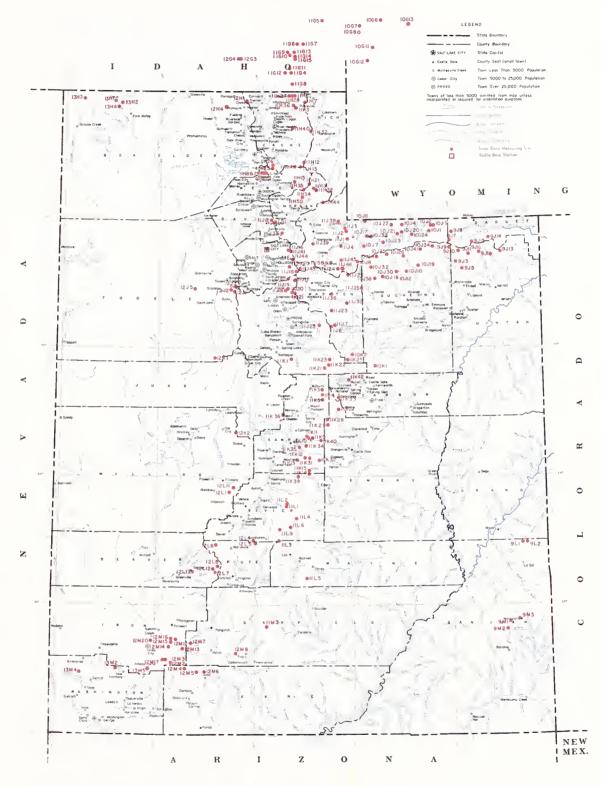




7 14 21 OCTOBER 7 14 21 30 7 14 21 NOVEMBER DECEMBER



31 7 14 21 31 7 14 21 28 7 14 21 31 7 14 21 30 7 14 21 31 7 14 21 30 7 14 21 31 JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY





SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1983

USGS Notrowell Aller I-1,000,000 Albers Equal-Area projection (1967) used as scuce for base maximal adeptod for SCS use. O 20 40

# INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

# GREAT BASIN DRAINAGE

Elevation	10,840 10,600 10,350 10,350 11,000 11,000 11,000 11,000 11,000 10,500 10,500 10,500 10,500 10,100 10	9,480 8,100 8,600 7,400	9,400 8,700 9,200 7,200 9,200 10,000 1,000 9,000 9,000	9,200	9,400 9,800 8,700 8,850	9,000 8,600 8,800 7,050	9,500	9,250 7,500 9,200	
Range	4W 6W 11W 11W 11W 10E 6E 6E 6B 7W 7W 7W 8W 8W 8W 8W 8W 8W 8W 8W 8W 8W 8W 8W 8W	11W 7E 7E 8E 8E	9 4 4 E E E E E E E E E E E E E E E E E	4 E	33 11 2E	22E 22E 24E 23E	1W	11w 6w 9w	
Township	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	115 115 10S 10S	195 138 1148 1178 1178 1168 1168	20S 205	245 305 265 255	335 345 275 335	345	385 385 375	
Section	2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	22 14 11 30	23 25 112 31 8 8 27	24	33 32 54 54	36 5 5 25 25	22	25 20 20	ker. on Gage. Temperature.
State Name DUCHESNE RIVER	200000000000000000000000000000000000000	2 222		MUDOV RIVER U Black's Fork U Dill's Camp	HEMNINT RIVER  U Black's Flat-U, M. Creek U Fish Lake U Johnson Valley SOUTHEASTERN UTAH DRAINAGES	U Buckboard Flat U Camp Jackson U LaSal Mountain U LaSal Mountain (Upper) U Monticello Park	ESCALANTE RIVER U Widtsoe-Escalante No. 3	VIRGIN RIVER U Kolob-Crystal U Lorg Valley Junction U Websier Flat	LEGENO  Numbering System (example)  1037  Snow Course Only.  1047  Snow Course and Assisting A
Number	10041ap 10030pST 10030pST 11032MPST 11032MPST 11032MPST 11032MPST 10036pST 10036pST 10010pST	11.62P 11.633MP 10.62MST 11.625	11K31P5T 11K4 11K5P 11K5P 11K3PF 11K2P 11K2P 11K2P 11K2P	11K14 11K15PST	11L4P5T 11L5 11L3P 11L6	9M1P 9M2P 9L1 9L2P5TT 9M3	11M3PST	13M5PST 12M6 12M3MPST	
Elevation	6,450 7,500 7,500 7,600 7,600 7,600 8,725 7,700 8,300 8,300 8,700	6 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8,000 10,	6,020 10,290 8,750 9,600	8,100 10,000 8,800 8,700	6,100	5,800		10,550 9,300 9,300 9,300 10,000 10,000 10,25
Range	44W 23 38 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2% A & & & & & & & & & & & & & & & & & &	8034448884 803248884888 8038888888888888888888888888888	7W WW 5 W 5	W 6 9 W 8 8 W 8	18W 14W	11w 9w		196 126 126 126 127 136 136 136 136 136 136 136
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Section	h) (1) (2) (2) (3) (4) (5) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	11 26 4 & 5 3 (er)	225 227 227 227 227 227 227 227 227	23 7 8 12	23 10 26 & 35 20	S 14	111	A Riveri	250 250 333 333 333 333 333 333 333 333 333 3
Name JORDAN RIVER & GREAT SALT LAKE	Bevan's Cabin Described Pank Learne's Carryon No. 2 Middle Carryon No. 2 Middle Carryon No. 1 Mid Creek Mid D'South Four Nill D'South Four South Carryon Sinev Bain Settlement Carryon Sinev Bain (Set Advalley) Sinev Brind (Set Advalley) Vernon Creek Box Creek Box Creek Carryon Caste	Kimberty Mine Maway Valley Maway Valley Pangurich Lake Squaw Springs LDWER SEVIER RIVER (including San Pitch River)	Bayever Daw Bayever Daw G. B. R. C. Hedequarters G. B. R. C. Mededwas G. B. R. C. Mededwas Mander Forks Mt. Baldy R. S. Mander Fork Mt. Baldy R. S. Rickle Kees Springs Rees's Flast Rees's Flast Thirstle Flast	BEAVER RIVER Besver Race Track Besver Race Track Merchant's Valley (upper) Ditter Lake	PAROWAN CREEK Birch Crossing Brian Head Tall Poles Yankee Reservoir	ENTERPRISE TO NEW HARMONY DRAINAGES Little Grassy Creek Long Flat	COAL CREEK Cedar City Golf Course SUSC Ranch	DRAINAGE UPPER GREEN RIVER IN HITAH Galouse Durchesope	
State	000000000000000000000000000000000000000	,,,,,,		2222	2222	22	22	RIVER	
Number	12.12 11.245 11.2436 11.144 11.144 11.146 11.146 11.146 11.146 11.146 12.4465	12L6PST 12M2MP5T 12M7P 12L5	11K1895T 11LP595 11K189 11K2895T 11K34895T 11K349 11K189 11K39 11K39 11K39 11K39 11K39 11K39 11K39	12L13 12L7PST 12L12PST 12L8	12M16 12M14 12M15P 12M11P	13M4MP 13M2MPST	12M20 12M17	COLORADO RIVER DRAINAGE	911.15 10.022.P 10.022.P 10.023.P 10.023.P 10.024.P 10.024.P 10.03 10.03 10.03 10.02 10.02 10.03
Elevation	8,700 7,900 7,900 9,400 9,600 8,900 7,900 7,950	7,350 6,500 7,600 7,600 8,000 8,240	6,000 6,550 7,225 7,700 7,700 7,700 6,800 6,100	9,050 9,000 7,670	7,150 8,000 6,000 5,500 8,350 6,300	7,500 9,100 8,200	6,550 8,000 8,000 6,700	7,300 7,300 9,300 7,500 8,000	8,300 7,600 7,600 7,500 8,000 7,500 7,700
Range	117W 10E 118W 10E 10E 10E 116W 115W 115W 10E 41E 41E	42E 41E 41E 4E 3E 42E 42E	16 17 18 18 18 18 19 19 19 19 19 19 19	14W 14W 14W 17W	3E 1W 1W 3E 4E 4E	7E 8E 8E	2E E E E E	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
Township	27N 29N 29N 26N 26N 29N 29N 29N 29N 29N 111 111 111 111 111 111 111 111 111 1	125 125 165 14N 11N 13S 13S	88 80 105 105 124 135 135 135 135 135 135	14N 13N 14N 14N	8 X X X X X X X	22 I S	2 2 2 3 3 2 2 4 2 2 2 3 3 3 2 2 4	28288888 88888888888888888888888888888	108 33 33 38 38 48 48 48 48 48 48 48 48 48 48 48 48 48
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Name UPPER BEAR RIVER (above Harer, Idaho)	Big Park CCC Camp. CCC Camp. Feed State of the State of t	Emigrant Summit Fingariton Caryon (mouth) Fingariton Caryon (mouth) Franklin Basin Garden City Summit Herd Hollow Horseshoe Basin Klondie Nytrows Liberty Springs	Little Bear (upper) Oxford Mountain Oxford Mountain Slug Creek Owide Steep Hollow No. 2 Strawberry Creek Tony Grove Lake Tony Grove Lake Tony Grove Ranger Station Willow Flat	Clear Creek Meadows Clear Creek Meadows Dne Mile Summit V.Pont	Beaver Creek-Skunk Creek Ben Lomond Peak Ben Lomond Trail Causey Dam Gy Bead Pond Gy Bead Pond Gy Beat Pont Sagebrush Flat	WEBER RIVER BRAVET Creek R. S. Chalk Creek No. 1 Chalk Creek No. 2	Clast Creek No. 3 Clast Shingle Lake Farmington Canyon (lower) Framington Canyon (upper) Francis Canyon Hardscrabble	Horse Ridge Horse Ridge Kilfoil Creek Lost Creek Fork City Summit Parkey's Canyon Summit Prine Canyon Princupine Redden Mine flower) Redden Mine flower)	Surgeant Lakes  Found to Morehouse  PROVIDE & UTAH LAKE  Baser Creek Divide  Camp Altamont  Clear Creek Ridge No. 2  Clear Creek Ridge No. 3  Clear Creek Ridge No. 3  Hobble Creek Summit  Physion R. S.  Soadstone R. S.  Timpanogos Cave Camp  Timpanogos Cave Camp
State	<pre>&gt;</pre>		>>>>-	>>>>	222222	222	000000	=ددور پردد	222 2222222222
Number	100511 1006P 1007757 1007757 1007757 1006 857 1006 857 1006 857 100138P 10117P 116312 116312 116312 116312 116312	11G6PST 11G7 11G8MPST 11H7MP 11H40p 11G15a 11G11MP	11H26 11H26 11C3-5F5T 11C3-5 11H28 11C3-0 11H36F5T 11H36F5T 11G4P	13H2a 13H4PS 13H1 13H3a	11H14M 11H8PST 11H30PST 11H35P 11H134PST 11H134P 11H15P	11,224 11,11PST 11,22MPST	1138MP 11345a 113112P 11311PST 11444P 11337p	11H21P5T 11H31 11H32P 11J43P 11J15PST 11H50P 11H50P	11139pa 11146PST 11146PST 11142PST 11142P 11142P 11142P 11142P 11142P 11143P 11143P 11143P 11143P 11143P 11143P 11143P 11143P

# **Agencies Cooperating**

# in Utah Snow Surveys

#### U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture Soil Conservation Service Forest Service
- U. S. Department of Commerce NOAA, National Weather Service
- U. S. Department of Interior
  Bureau of Reclamation
  Geological Survey
  National Park Service

#### STATE AGENCIES

Utah State University
Utah State Department of Natural Resources
Division of Wildlife Resources
Division of Water Resources
Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

#### MUNICIPALITIES

Manti Salt Lake City

#### ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Central Utah Conservancy District
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association
Weber River Water Users Association
Weber Basin Conservancy District

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

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